



ISLAMIAH COLLEGE

(AUTONOMOUS)

Accredited by NAAC (3rd Cycle) with 'A++' Grade



**CALENDAR &
STUDENTS' HANDBOOK
2024 - 2025**

ISLAMIAH COLLEGE (AUTONOMOUS)

Government Aided Minority Institution

Accredited by NAAC (3rd Cycle) with “A++” Grade

Recognised by UGC u/s 2(f) & 12(B) of UGC Act, 1956

Affiliated to Thiruvalluvar University, Vellore

NEW TOWN, VANIYAMBADI – 635 752



Maintained & Managed by
THE VANIYAMBADI MUSLIM EDUCATIONAL SOCIETY
FORT, VANIYAMBADI

CALENDAR & STUDENTS' HANDBOOK 2024-2025

Dr. T. AFSAR BASHA, M.Com., M.Phil., Ph.D.
Principal

L.M. MUNEER AHMED, B.Sc.
Secretary & Correspondent

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In the Name of Allah, the Beneficent, the Merciful

Praise be to Allah, the Lord of the Worlds,

The Beneficent, the Merciful

Master of the Day of Judgement.

You alone we worship; You alone we ask for help.

Show us the straight path;

The path of those whom You have favoured;

Not (the path) of those who earn Your anger,

nor of those who go astray.

AAMEEN

Al-Quran

THE NATIONAL ANTHEM

Jana-gana-mana-adhinayaka, jaya he
Bharata-bhagya-vidhata.

Punjab-Sindh-Gujarat-Maratha

Dravida-Utkala-Banga

Vindhya-Himachala-Yamuna-Ganga

Uchchala-Jaladhi-taranga.

Tava shubha name jage,

Tava shubha asisa mage,

Gahe tava jaya gatha,

Jana-gana-mangala-dayaka jaya he

Bharata-bhagya-vidhata.

Jaya he, jaya he, jaya he,

Jaya jaya jaya, jaya he!

Jai Hind

TRANSLATION OF NATIONAL ANTHEM

Thou art the ruler of the minds of all people,
Dispenser of India's destiny.

Thy name rouses the hearts of Punjab, Sind,
Gujarat and Maratha,

Of the Dravida and Odisha and Bengal;

It echoes in the hills of the Vindhyas and Himalayas,
mingles in the music of Jamuna and Ganges and is
chanted by the waves of the Indian Sea.

They pray for thy blessings and sing thy praise.

The saving of all people waits in thy hand,
Thou dispenser of India's destiny.

Victory, victory, victory to thee.

NATIONAL PLEDGE

India is my country. All Indians are my brothers and sisters. I love my country and I am proud of its rich and varied heritage. I shall always strive to be worthy of it. I shall give my parents, teacher and all elders respect and treat everyone with courtesy. To my country and my people, I pledge my devotion. In their well being and prosperity alone lies my happiness.

TAMIL THAI VAZHTHU

நீராருங் கடலுடுத்த நிலமடந்தைக் கெழிலொழுகும்
சீராரும் வதனமெனத் திகழ்பரதக் கண்டமிதில்
தெக்கணமும் அதிற்சிறந்த திராவிடநல் திருநாடும்
தக்கசிறு பிறைநுதலும் தரித்தநறுந் திலகமுமே
அத்திலக வாசனைபோல் அனைத்துலகும் இன்பமுற
எத்திசையும் புகழ்மணக்க இருந்தபெருந் தமிழணங்கே!

தமிழணங்கே!

உன் சீரிளமைத் திறம்வியந்து செயல்மறந்து வாழ்த்துதுமே!

வாழ்த்துதுமே!

வாழ்த்துதுமே!

VISION & MISSION

Vision

- To provide quality and relevant education to the poor, downtrodden and minority students with a view to uplifting the society and contributing to the development of the nation.

Mission

- To provide more and better opportunities for higher learning and research
- To diversify courses of studies to make them more relevant to present day societal and industrial needs
- To synthesise arts and sciences with modern Technological innovations and programmes.

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BRIEF HISTORY

ISLAMIAH COLLEGE is a symbol of devotion to education and love for learning of the Muslims of Vaniyambadi, who in their zeal for translating into action the message of Sir Syed Ahmed Khan, established the Vaniyambadi Muslim Educational Society in 1901. The Society was registered in 1905 and soon under its auspices the Islamiah Elementary School was started. The phenomenal growth of the school was due to the untiring and dedicated services and leadership of Janab T. Hajee Badruddin Sahib, Janab Malang Hayath Basha Sahib, Janab T. Ameenuddin Sahib and Janab Malang Ahmed Basha Sahib. The full-fledged Islamiah High School came into being in 1912.

In 1915, the society resolved to establish the Islamiah College, and the foundation stone of the college was laid by His Excellency Lord Pentland, the then Governor of Madras Province. With princely donations from the Muslim philanthropists, the College was started in 1919 and got recognition in July 1921. The building in which the College is housed at present was opened by Nawab C. Abdul Hakeem Sahib.

In 1946, the College was upgraded, offering instruction in the two year degree courses in B.A. Economics and B.Com. In 1954, B.A. Mathematics was started. In 1956, the college got affiliation for the pre-University and the three year degree courses, B.A. B.Sc. and B.Com. and the courses were started in 1957.

The College got affiliation from the University for various additional courses.

| S.No. | Name of the Course | Major Subject | Year of Affiliation |
|-------|--------------------|---------------|---------------------|
| 1 | B.Sc. | Chemistry | 1963 |
| 2 | B.A. | History | 1967 |
| 3 | B.Sc. | Zoology | 1967 |
| 4 | M.A. | History | 1974 |
| 5 | M.Com. | Commerce | 1975 |
| 6 | M.Sc. | Mathematics | 1976 |
| 7 | B.Sc. | Physics | 1981 |
| 8 | B.A. | Corp. Sec. | 1982 |
| 9 | B.A. | Indl. Orgn. | 1983 |
| 10 | B.Sc. | Biochemistry | 1985 |
| 11 | M.Phil. | Commerce | 1986 |
| 12 | M.Sc. | Chemistry | 1986 |
| 13 | B.Sc. | Computer Sc. | 1988 |

To cater to the needs of the community in changing circumstances B.A. (Industrial Organisation) was converted to B.B.A. in 2005 and B.Sc. (Zoology) was converted to B.Sc. (Biotechnology) in 2006.

The College got affiliation for the following unaided courses:

| S.No. | Name of the Course | Major Subject | Year of Affiliation |
|-------|--------------------|---------------|---------------------|
| 1 | Ph.D. | Commerce | 1986 |
| 2 | M.Phil. | Mathematics | 1988 |
| 3 | M.Phil. | History | 1993 |
| 4 | Ph.D. | History | 1996 |
| 5 | M.Sc. | Biochemistry | 1998 |
| 6 | M.Sc. | Physics | 1999 |
| 7 | M.Phil. | Chemistry | 2000 |
| 8 | B.C.A. | Comp. Appl. | 2000 |
| 9 | Ph.D. | Chemistry | 2005 |
| 10 | Ph.D. | Mathematics | 2005 |
| 11 | M.Phil. | Biochemistry | 2009 |

| | | | |
|----|---------|---------------|------|
| 12 | M.Phil. | Physics | 2009 |
| 13 | B.A. | English Lit. | 2010 |
| 14 | M.A. | English Lit. | 2010 |
| 15 | M.Sc. | Biotechnology | 2010 |
| 16 | Ph.D. | Physics | 2010 |
| 17 | Ph.D. | Tamil | 2012 |
| 18 | B.Sc. | Computer Sc. | 2013 |
| 19 | M.Phil. | Biotechnology | 2013 |
| 20 | Ph.D. | Biotechnology | 2014 |
| 21 | Ph.D. | Biochemistry | 2016 |
| 22 | Ph.D. | Hindi | 2016 |
| 23 | B.Com. | Commerce | 2016 |
| 24 | Ph.D. | English | 2018 |
| 25 | Ph.D. | Urdu | 2019 |
| 26 | B.Sc. | Chemistry | 2019 |
| 27 | B.Sc. | Data Science | 2022 |

In view of the changing scenario two courses namely, B.A. (Economics) and B.Com. (Corporate Secretaryship) were converted to B.Com. (Finance & Accounts) and B.Com. (Computer Applications) respectively with effect from the academic year (2010-11) to make the students of these two courses more employable.

The College which had a humble beginning in 1919 has now grown up to a full-fledged P.G. and Research Institution catering to the needs of the rural lot who would have otherwise not dreamt of taking a Research Degree.

Consequent to the establishment of Thiruvalluvar University, this College has been affiliated to Thiruvalluvar University from the academic year 2002-2003. In pursuance of the academic excellence and to implement the suggestion of the NAAC peer team, the College applied for Autonomy in the year 2008. The

expert team inspected the College in March 2010 and it recommended Autonomy. The College was thus conferred Autonomy with effect from the academic year 2010-2011 and we have successfully completed the first phase of autonomy during the academic year 2015-2016. The UGC has granted extension of Autonomy to the College for a period of six years from 2016-17 to 2021-22. The College has been re-accredited by National Assessment and Accreditation Council (NAAC), Bengaluru with “A” Grade from February 2014 and retained the “A” Grade till 2024 and again during the 3rd cycle, the College has been accredited with “A++” Grade for 7 years from 21.03.2024 to 20.03.2031. By the grace of Almighty, The University Grants Commission, New Delhi has granted further extension of Autonomy to the College for a period of 10 years from 2022-23 to 2031-32.

The aim of the College is to foster in the teachers and students, and through them in society, the attitudes and values needed for developing “good life” in individuals and society.

The College has earned for Vaniyambadi a place in the educational map of India. The College keeps its portals open to the members of all castes and communities.

OFFICE-BEARERS - PAST AND PRESENT**PRESIDENTS**

| | | | |
|----|-------|---|-----------|
| 1 | Janab | Sailappai Abdul Khader Sahib | 1902-1905 |
| 2 | Janab | Moulvi Al-Haj Ziauddin Mohamed Sahib | 1905-1935 |
| 3 | Janab | C. Abdul Hakim Sahib | 1935-1938 |
| 4 | Janab | Moulvi Al-Haj Ziauddin Mohamed Sahib | 1938-1941 |
| 5 | Janab | Malayalam Hajee Abdul Raheem Sahib | 1941-1944 |
| 6 | Janab | Malang Ahmed Basha Sahib | 1944-1947 |
| 7 | Janab | P.R. Md. Fazlullah Sahib, B.A., B.L. | 1947-1948 |
| 8 | Janab | Kaniyambadi Abdul Wahab Sahib | 1948-1951 |
| 9 | Janab | N.M. Anwar Sahib, M.A. | 1951-1973 |
| 10 | Janab | Dr.J. Azeezur Rahman Sahib, M.B.B.S. | 1973-1981 |
| 11 | Janab | Dr.G.Hajee Abdul Shukoor Sahib, M.B.B.S. | 1981-1984 |
| 12 | Janab | Pallan Hajee Khaleelur Rahman Sahib | 1984-1986 |
| 13 | Janab | V.P. Naimur Rahman Sahib | 1986-1991 |
| 14 | Janab | Motoor Nazeer Ahmed Sahib | 1991-1997 |
| 15 | Janab | C.Abdul Malick Sahib, B.Com. | 1997-2005 |
| 16 | Janab | M.L.Mohamed Aslam Sahib | 2005-2007 |
| 17 | Janab | S.C. Mohammed Hussain Sahib, M.A. | 2007-2011 |
| 18 | Janab | T. Mohamed Mubeen Sahib, B.E., M.Sc. (Engineering), M.I.I.E. | 2011-2019 |
| 19 | Janab | Mouda Ahmed Basha Sahib, B.Com. | 2019- |

GENERAL SECRETARIES

| | | | |
|---|-------|---------------------------------|-----------|
| 1 | Janab | Malayalam Ameenuddin Sahib | 1902-1905 |
| 2 | Janab | Yakub Hasan Sait Sahib | 1905-1913 |
| 3 | Janab | Nawab Ghulam Ahmed Sahib Kalami | 1913-1917 |
| 4 | Janab | T. Hajee Badrudin Sahib | 1917-1925 |
| 5 | Janab | Padyari Abdul Shukoor Sahib | 1925-1930 |
| 6 | Janab | P.R.Abdul Hameed Sahib | 1930-1935 |
| 7 | Janab | Kaniyambadi Abdul Wahab Sahib | 1935-1941 |
| 8 | Janab | Malang Ahmed Badsha Sahib, B.A. | 1941-1944 |
| 9 | Janab | C.L. Hajee Abdul Subhan Sahib | 1944-1948 |

| | | | |
|----|-------|--------------------------------------|-----------|
| 10 | Janab | T.K. Mohamed Zackriah Sahib | 1948-1955 |
| 11 | Janab | Naivasal Mohamed Hussain Sahib | 1955-1958 |
| 12 | Janab | M.L.Hajee Abdul Jabbar Sahib | 1958-1967 |
| 13 | Janab | M. Nazeer Ahmed Sahib | 1967-1981 |
| 14 | Janab | Kaka Md. Zubair Sahib | 1981-1984 |
| 15 | Janab | T.K. Hajee Md.Shameem Sahib | 1984-1989 |
| 16 | Janab | Kaka Md. Zubair Sahib | 1989-2000 |
| 17 | Janab | Mandi Md. Farooq Sahib, B.A. | 2000-2008 |
| 18 | Janab | Takadi Aarif Akthar Sahib, B.Sc. | 2008-2011 |
| 19 | Janab | C. Khaiser Ahmed Sahib, B.Sc. | 2011-2013 |
| 20 | Janab | Dr. Anwarullah Hajee Sahib, M.B.B.S. | 2013-2016 |
| 21 | Janab | C. Khaiser Ahmed Sahib, B.Sc. | 2016-2019 |
| 22 | Janab | Ghani Mohammed Azhar Sahib, B.Sc. | 2019-2023 |
| 23 | Janab | Pudupet Abdullah Basha Sahib, B.Com. | 2023- |

SECRETARIES TO THE COLLEGE COMMITTEE

| | | | |
|---|-------|-------------------------------------|-----------|
| 1 | Janab | Malang Ahmed Badsha Sahib, B.A. | 1920-1941 |
| 2 | Janab | P.R. Md. Fazlullah Sahib, B.A.,B.L. | 1941-1947 |
| 3 | Janab | N.M. Anwar Sahib, M.A. | 1947-1951 |
| 4 | Janab | S.Abdul Azeez Badsha Sahib | 1951-1952 |
| 5 | Janab | M.L. Hajee Abdul Jabbar Sahib | 1952-1955 |
| 6 | Janab | T.K.Hajee Abdul Rasheed Sahib | 1955-1967 |
| 7 | Janab | Naivasal Md. Hussain Sahib | 1967-1969 |
| 8 | Janab | A. Nazeer Ahmed Sahib, B.Com. | 1969-1974 |

CORRESPONDENTS

| | | | |
|---|-------|--|-----------|
| 1 | Janab | Yakub Hasan Sait Sahib | 1905-1917 |
| 2 | Janab | Malang Ahmed Badsha Sahib, B.A. | 1917-1941 |
| 3 | Janab | P.R. Md. Fazlullah Sahib, B.A.,B.L. | 1941-1947 |
| 4 | Janab | Naivasal Md. Hussain Sahib | 1947-1955 |
| 5 | Janab | M.L. Hajee Abdul Jabbar Sahib | 1955-1958 |
| 6 | Janab | C.S. Hajee Abdul Majeed Sahib | 1958-1969 |
| 7 | Janab | Dr. G. Hajee Abdul Shukoor Sb., M.B.B.S. | 1969-1974 |

SECRETARY AND CORRESPONDENTS

| | | | |
|----|-------|--------------------------------------|-----------|
| 1 | Janab | A. Nazeer Ahmed Sahib, B.Com. | 1974-1979 |
| 2 | Janab | K.Md. Umair Sahib | 1979-1981 |
| 3 | Janab | V.P. Naimur Rahman Sahib, B.Sc. | 1981-1984 |
| 4 | Janab | Kaka Md. Zubair Sahib | 1984-1989 |
| 5 | Janab | S.C. Mohammed Hussain Sb, M.A. | 1989-1996 |
| 6 | Janab | Malang Aslam Basha Sahib, B.Com. | 1996-2005 |
| 7 | Janab | C. Khaizer Ahmed Sahib, B.Sc. | 2005-2011 |
| 8 | Janab | Ghani Md. Jaweed Sahib, B.Sc. | 2011-2013 |
| 9 | Janab | L.M. Muneer Ahmed Sahib, B.Sc. | 2013-2016 |
| 10 | Janab | Dr. Anwarullah Hajee Sahib, M.B.B.S. | 2016-2019 |
| 11 | Janab | L.M. Muneer Ahmed Sahib, B.Sc. | 2019- |

PRINCIPALS

| | | |
|----|--|-----------|
| 1 | Mr. S. Qadir Mohammed Nainar, B.A.,(Hons.) | 1919-1920 |
| 2 | Mr. Ghulam Dastagir, B.A., L.T. | 1920-1923 |
| 3 | Mr. Md. Abdul Ali, B.A., L.T. | 1923-1924 |
| 4 | Mr. R. Souriraj Iyengar, B.A., L.T. | 1924-1925 |
| 5 | Mr. T. Swaminathan Iyer, M.A. | 1925-1926 |
| 6 | Mr. K. Ramaswamy Gounder, M.A., L.T. | 1926-1927 |
| 7 | Mr. Hajee Ahmed Ali, M.A., L.T. | 1927-1941 |
| 8 | Mr. Hajee Syed Abdul Wahab Bukhari, M.A., L.T. | 1941-1944 |
| 9 | Mr. Hajee Ahmed Ali, M.A., L.T. | 1944-1947 |
| 10 | Mr. D.T.Subramaniam, M.A. | 1947-1948 |
| 11 | Mr. S. Abdul Qadir, M.A. | 1948-1958 |
| 12 | Mr. V. Sivaramakrishnan, M.A. | 1958-1959 |
| 13 | Dr. M. Abdul Rahim, M.A., B.T., Ph.D. | 1959-1962 |
| 14 | Mr. K. Sitaraman, B.A. (Hons.) | 1962-1967 |
| 15 | Mr. N. Md.Zubair, M.A., B.L. | 1967-1970 |
| 16 | Mr. Syed Yakub, M.A., L.T. | 1970-1971 |
| 17 | Mr. Mirza Abdul Majid, M.A., L.L.B. | 1971-1986 |
| 18 | Mr. A. Habibur Rahman, M.A., M.Phil. | 1986-1996 |
| 19 | Mr. O.A. Shahul Hameed, M.Sc., M.Phil. | 1996-1997 |

| | | |
|----|--|-----------|
| 20 | Dr. N.Tahir Ahmed, M.A., B.Sc., Ph.D. | 1997-2000 |
| 21 | Dr. Major Syed Shahabuddeen, M.A. (Hist.), M.A.(Pol.Sc.), B.Ed., M.Phil., Ph.D. | 2001-2009 |
| 22 | Mr. P. Nasrullah Basha, M.Com., M.Phil. | 2009-2011 |
| 23 | Dr. K. Prem Nazeer, M.Sc., M.Phil., Ph.D. | 2011-2018 |
| 24 | Dr. T. Mohamed Ilyas, M.Com., M.B.A., M.Phil., Ph.D. | 2018-2024 |
| 25 | Dr. T. Afsar Basha, M.Com., M.Phil., Ph.D. | 2024- |

MEMBERS OF THE ISLAMIAH COLLEGE COMMITTEE

1. **Janab Mouda Ahmed Basha Sahib**, B.Com.
President, V.M.E. Society
2. **Janab Pudupet Abdullah Basha Sahib**, B.Com.
General Secretary, V.M.E. Society
3. **Janab L.M. Muneer Ahmed Sahib**, B.Sc.
Secretary & Correspondent, Islamiah College (Autonomous)
4. **Janab C. Khaizer Ahmed Sahib**, B.Sc.
Secretary & Correspondent,
Islamiah Women's Arts and Science College
5. **Janab Patel Md. Yousuf Sahib**, B.Sc.
Vice President, V.M.E. Society
6. **Janab Nari Mohamed Nayeem Sahib**
Assistant Secretary, V.M.E. Society
7. **Janab Hafiz Sajid Ahmed Sahib**, M.Com.
Secretary & Correspondent, Islamiah Boys' Hr. Sec. School
8. **Janab M. Rafeeq Ahmed Sahib**, M.Com.
Secretary & Correspondent, Islamiah Girls' Hr. Sec. School
9. **Janab Pookar Mohammed Mubeen Sahib**
Secretary & Correspondent, Islamiah Primary School
10. **Janab V. Jaweed Iqbal Sahib**, B.Com.
Secretary & Correspondent, Islamiah I.T.I
11. **Janab P. Ahmed Saleem Sahib**
Secretary, Deeni Taleem Committee

12. Dr. Ikramullah G H Sahib, M.B.B.S., D.C.H.
13. Janab Kaka Md. Ibrahim Sahib, B.Com.
14. Janab K. Md. Ashfaq Sahib
15. Janab Chuna Md. Mudassir Sahib, B.A.
16. Dr. T. Afsar Basha, Ph.D., Principal (Ex-Officio)

GOVERNING BODY

Chairman

Mr. Pudupet Abdullah Basha, B.Com.

General Secretary, V.M.E. Society

Management Members

Mr. C. Khaiser Ahmed, B.Sc.

Mr. L.M. Muneer Ahmed, B.Sc.

Mr. T. Md. Makeen, B.Sc.

Mr. Patel Md. Yousuff, B.Sc.

Teachers of the College

Dr. Syed Tahir Hussainy

Dr. S. Shaik Khader Nawaz

Senior Administrative Officer

Mr. B. Shaik Usman

Industrialist

Mr. A.R. Ishthiyah Ahmed

State Government Nominee

Joint Director of Collegiate Education

Vellore Region, Vellore

University Nominee

Dr. R. Vijayaragavan

Professor, Department of Mathematics

Thiruvalluvar University, Vellore

Principal of the College – Member Secretary

Dr. T. Afsar Basha

MEMBERS OF THE ACADEMIC COUNCIL

1. The Principal (Chairman)

Dr. T. Afsar Basha

2. All Heads of the Departments in the College

Dr. U. Rizwan

Dr. G. Shakil Muhammad

Dr. S. Liyahath John

Mr. A.A. Khadar Maideen

Dr. K. Anandaratchagan

Dr. P. Sivaraji

Dr. S. Shaik Khader Nawaz

Mr. D. Abul Fazal

Dr. H. Abdul Jaffar Ali

Dr. A. Gokulakrishnan

Mr. P. Tanveer Ahmed

Mr. A. Muqthar Ahmed

Dr. K. Mohamed Imran

Dr. N. Abdul Latheef

Mr. Y. Md. Ismail Khan

3. Four Teachers of the College from different categories

Dr. V. Valeeullah

Dr. P.K. Mohamed Imran

Dr. C. Mohamed Faheem

Dr. G. Vengadkrishnan

4. Four experts from outside the College

Dr. P.K. Manoharan, Additional Registrar

VIT University, Chennai Campus, Chennai

Dr. Sait Shahul Hameed, Co-Chair, Task Force in Agriculture &

Marine Biotechnology, DBT, New Delhi

Principal Investigator,

C. Abdul Hakeem College, Melvisharam

Dr. S. Ismail Mohideen, Principal

Jamal Mohamed College, Tiruchirappalli

Dr. J. Srinivasan

Associate Professor of Commerce

Rajeswari Vedachalam Govt. Arts College, Chengalpattu

5. Three Nominees of the University

1. Dr. B. Kathiresan

Professor, Department of English
Thiruvalluvar University, Vellore

2. Dr. M. Chitra

Professor & Head, Department of Mathematics
Thiruvalluvar University, Vellore

3. Dr. G. Yoganandham

Professor & Head, Department of Economics
Thiruvalluvar University, Vellore

6. Controller of Examinations

Mr. S. Mohammed Naseeruddeen

**7. A faculty member nominated by the Principal
(Member Secretary)**

Dr. Syed Tahir Hussainy
Associate Professor of Mathematics

FINANCE COMMITTEE

1. Dr. T. Afsar Basha, Principal
(Chairman)

2. Mr. L.M. Muneer Ahmed, Secretary & Correspondent
(Governing Body Nominee)

3. Dr. K. Mohamed Imran
(Nominated by the Principal)

4. Mr. V. Mushtaq Ahmed
(Finance Officer)

5. Mr. G. Pari
(Chartered Accountant)

STANDING COMMITTEE TO GOVERNING BODY

Mr. L.M. Muneer Ahmed - Chairman

Mr. C. Khaizer Ahmed

Dr. T. Afsar Basha

Dr. Syed Tahir Hussainy

STANDING COMMITTEE TO ACADEMIC COUNCIL

Dr. Syed Tahir Hussainy - Member Secretary to Academic Council

Dr. P.K. Mohamed Imran

Mr. D. Abul Fazal

EXTERNAL ACADEMIC AUDITORS

1. **Dr. P.K. Manoharan**

Former Registrar, Bharathiar University, Coimbatore

Additional Registrar, VIT University, Chennai Campus

2. **Dr. M. Valarmathi**

Former Joint Director of Collegiate Education, Vellore Region

INTERNAL ACADEMIC AUDITORS

1. **Dr. K. Anandaratchagan**

Associate Professor & HOD of Chemistry

2. **Dr. V. Mahmudul Hasan**

Assistant Professor of Commerce

TEACHING STAFF (AIDED)

PRINCIPAL

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afsarbasha66@yahoo.in

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Dr. Syed Tahir Hussainy, M.Sc., Ph.D.

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VICE-PRINCIPAL (ACADEMIC)

Dr. S. Shaik Khader Nawaz

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- Arts & Languages

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DEPARTMENT OF ENGLISH

Associate Professor

Dr. S. Shaik Khader Nawaz, M.A., M.Phil., Ph.D. (HOD)

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Assistant Professor

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nazhusen@gmail.com

Associate Professors

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| | 11. Dr. A. Fiaz Ahamed |
| Sports Advisory Committee | 1. Dr. S. Jafar Sathik, Coordinator |
| | 2. Mr. Y. Mohamed Ismail Khan |
| | 3. Dr. S. Abdullah Shah |
| | 4. Student Representative (UG) |
| | 5. Student Representative (PG) |
| ICT & Library Advisory Committee | 1. Dr. G. Shakil Muhammad, Coordinator |
| | 2. Dr. N. Abdul Latheef |
| | 3. Dr. P.K. Mohamed Imran |
| | 4. Mr. P. Yasser Arafath |
| Anti Drugs Committee | 1. Dr. B. Akbar Aalam, Coordinator |
| | 2. Mr. M. Syed Shameel |
| | 3. Dr. A. Askar |
| | 4. Mr. K.J. Haris |
| Public Relation & Media Committee | 1. Mr. D. Abul Fazal – English |
| | 2. Dr. G. Vengadkrishnan – Tamil |
| | 3. Dr. M. Sayeeduddeen – Urdu |
| Committee for Online Examinations | 1. Dr. Syed Tahir Hussainy |
| | 2. Mr. A.A. Khadar Maideen |
| | 3. Mr. N. Md. Thanveer |

| Extra Curricular Activities Committee | |
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| National Service Scheme | 1. Dr. M. Mujibur Rahman, Programme Officer |
| | 2. Dr. G. Harigaran, Programme Officer |
| | 3. Mr. E. Mohamed Imran, Programme Officer |
| | 4. Dr. A. Askar |
| | 5. Mr. S. Aslam Basha |
| | 6. Mr. A. Lokesh |
| | 7. Student Representative |
| National Cadet Corps & Friends of Police | 1. Dr. Lt. S.N. Mohamed Assarudeen, NCC Officer |
| | 2. Student Representative |
| Enviro Club | 1. Dr. G. Shakil Muhammad, Coordinator |
| | 2. Dr. N.P.M. Mohamed Tariq |
| | 3. Student Representative |
| Committee for NGO Clubs | 1. Dr. B. Md. Nawaz, Coordinator |
| | 2. Dr. A. Gokulakrishnan, Joint Coordinator |
| | 3. Dr. G. Vengadakrishnan |
| | 4. Dr. A. Nazim Ahmed |
| | 5. Dr. V. Mahmudul Hasan |
| | 6. Mr. P. Yasser Arafath |
| | 7. Dr. M.A. Farook |
| | 8. Student Representative |
| Consumer Club | 1. Mr. A. Muqthar Ahmed, Coordinator |
| | 2. Dr. D.S.A. Mehboob |
| | 3. Mr. V.K. Tanseer Shadab |
| | 4. Student Representative |
| Internal Complaint and Grievance Redressal Committee | 1. Dr. B. Md. Nawaz, Coordinator |
| | 2. Dr. V. Valeeullah |
| | 3. Dr. G. Vengadakrishnan |
| | 4. Dr. M.P. Ashar Waheed |
| | 5. Student Representative |
| Students Health & Welfare Committee | 1. Dr. D. Ejaz Ahmed, M.B.B.S. |
| | 2. Dr. A. Gokulakrishnan |
| | 3. Dr. S. Jafar Sathik |
| | 4. Mr. Y. Mohamed Ismail Khan |
| | 5. Student Representative |

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| Equal Opportunity Centre | 1. Dr. M. Aboobucker Sithique |
| | 2. Mr. D. Abul Fazal |
| | 3. Dr. K. Murugan |
| | 4. Student Representative |
| Young Innovator Cell | 1. Dr. N. Nadeem Afroze, Coordinator |
| | 2. Dr. N. Shabeer Ahmed |
| | 3. Mr. V.K. Tanseer Shadab |
| | 4. Mr. N. Md. Thanveer |
| | 5. Student Representative |
| Entrepreneurship Development Cell | 1. Mr. B. Fuzail Ahmed, Coordinator |
| | 2. Dr. V. Mahmudul Hasan |
| | 3. Dr. H.M. Bilal |
| | 4. Dr. T. Mohamed Sayeed |
| Incubation Centre | 1. Dr. P.K. Mohamed Imran, Coordinator |
| | 2. Dr. S.U. Mohamed Riyaz |
| | 3. Dr. M.P. Ashar Waheed |
| | 4. Mr. M. Syed Shameel |
| College Hostel Committee | 1. Dr. T. Afsar Basha, Warden |
| | 2. Mr. D. Abul Fazal, Deputy Warden |
| | 3. Dr. S. Thameemul Ansari, Proctor |
| | 4. Dr. M. Mujibur Rahman |
| Committee for Special Schemes | 1. Dr. P.K. Mohamed Imran - DST/AISHE |
| | 2. Dr. Syed Tahir Hussainy - UGC |
| | 3. Dr. H. Abdul Jaffar Ali - DBT |
| | 4. Dr. M. Aboobucker Sithique - TANSCH |
| | 5. Dr. M.P. Ashar Waheed - Other Schemes |
| Internal Auditor (Finance) | Dr. K. Mohamed Imran |
| Research Journal Committee | 1. Dr. T. Afsar Basha, Chief Editor |
| | 2. Dr. P.K. Mohamed Imran, Associate Editor |
| | 3. Dr. S. Thameemul Ansari |
| | 4. Dr. H. Abdul Jaffar Ali |
| | 5. Dr. S. Balakrishnan |
| | 6. Dr. Mohammed Osman Pasha |
| | 7. Dr. S.U. Mohamed Riyaz |

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| Disability Resource Centre Committee | 1. Dr. A. Sowkath, Coordinator |
| | 2. Dr. V. Valeeullah |
| | 3. Mr. V.K. Tanseer Shadab |
| | 4. Student Representative |
| Committee for ICT Academy | 1. Dr. M.A. Bilal Ahmed, Coordinator |
| | 2. Dr. D.S.A. Mehboob |
| | 3. Dr. Mohammed Osman Pasha |
| | 4. Mr. E. Mohammed Imran |
| | 5. Dr. M. Sayeeduddeen |
| | 6. Student Representative |
| Committee for Online Courses (ICLMS) | 1. Dr. N. Nadeem Afroze, Nodal Officer |
| | 2. Mr. S. Mohammed Naseeruddeen |
| | 3. Mr. A.A. Khadar Maideen |
| | 4. Mr. A. Muqthar Ahmed |
| | 5. Dr. M.P. Ashar Waheed |
| | 6. Dr. S. Balakrishnan |
| | 7. Dr. N. Abdul Latheef |
| | 8. Mr. S. Md. Nawaz Basha |
| Legal Club & Electoral Literacy Club | 1. Mr. D. Abul Fazal, Coordinator |
| | 2. Dr. P. Govindaraju |
| | 3. Dr. C. Md. Faheem |
| | 4. Dr. K. Mohamed Imran |
| | 5. Mr. M. Syed Shameel |
| | 6. Student Representative |
| IPR Cell | 1. Dr. H. Abdul Jaffar Ali, Coordinator |
| | 2. Dr. N. Nadeem Afroze |
| Student Feedback Analysis Committee | 1. Mr. A. Muqthar Ahmed, Coordinator |
| | 2. Dr. T. Mohammed Sayeed |
| | 3. Mr. E. Mohammed Imran |
| | 4. Dr. G. Harigaran |
| SC/ST/OBC Welfare Committee | 1. Dr. A. Gokulakrishnan, Coordinator |
| | 2. Dr. K. Murugan |
| | 3. Dr. M.K. Thirupathy |

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| Committee for Prevention of Sexual Harassment | 1. Dr. A. Nazim Ahmed, Coordinator |
| | 2. Dr. G. Vengadkrishnan |
| TN Govt. Tamil Pudhalvan Scheme | 1. Dr. Zahiruddin, Nodal Officer |
| | 2. Dr. M.K. Thirupathy |
| Tamil Nadu Government Naan Mudhalvan Scheme | 1. Dr. S.U. Mohamed Riyaz (SPOC) |
| | 2. Mr. P. Tanveer Ahmed |
| | 3. Dr. C. Md. Faheem |
| | 4. Dr. S. Abdullah Shah |
| | 5. Dr. V.J. Sudhakar |
| | 6. Mr. K.J. Haris |
| Skill Development Committee | 1. Mr. A. Muqthar Ahmed, Coordinator |
| | 2. Dr. S. Jafar Sathik |
| | 3. Dr. A. Gokulakrishnan |
| | 4. Mr. S. Md. Nawaz Basha |
| | 5. Mr. M. Syed Shameel |
| | 6. Dr. T. Mohamed Sayeed |
| Yuva Tourism Club | 1. Dr. M.A. Farook, Coordinator |
| | 2. Dr. K. Murugan |
| | 3. Student Representative |

LIST OF FACULTIES RECOGNISED AS RESEARCH GUIDES FOR Ph.D. PROGRAMME OF THIRUVALLUVAR UNIVERSITY, VELLORE (RESEARCH DEVELOPMENT COUNCIL)

| S.No. | Name of the Research Guide | Subject |
|--------------|-----------------------------------|----------------|
| 1 | Dr. U. Rizwan | Mathematics |
| 2 | Dr. S. Soundararajan | " |
| 3 | Dr. R. Srinivasan | " |
| 4 | Dr. P. Govindaraju | " |
| 5 | Dr. Syed Tahir Hussainy | " |
| 6 | Dr. Zahiruddeen | " |
| 7 | Dr. S. Balakrishnan | " |
| 8 | Dr. V.J. Sudhakar | " |
| 9 | Dr. S.N. Mohamed Assarudeen | " |
| 10 | Dr. G. Shakil Muhammad | Physics |
| 11 | Dr. Major J. Asghar | " |
| 12 | Dr. J. Mohamed Ali | " |
| 13 | Dr. P.K. Mohamed Imran | Chemistry |
| 14 | Dr. B. Mohamed Nawaz | " |
| 15 | Dr. M. Aboobucker Sithique | " |
| 16 | Dr. A. Nazim Ahmed | " |
| 17 | Dr. S. Jafar Sathik | " |
| 18 | Dr. N. Nadeem Afroze | " |
| 19 | Dr. H. Abdul Jaffar Ali | Biotechnology |
| 20 | Dr. M.A. Farook | " |
| 21 | Dr. S.U. Mohamed Riyaz | " |
| 22 | Dr. N.P.M. Mohamed Tariq | Botany |

| S.No. | Name of the Research Guide | Subject |
|--------------|-----------------------------------|----------------|
| 23 | Dr. A. Gokulakrishnan | Biochemistry |
| 24 | Dr. M.P. Ashar Waheed | " |
| 25 | Dr. T. Afsar Basha | Commerce |
| 26 | Dr. V. Valeeullah | " |
| 27 | Dr. V. Mahmudul Hasan | " |
| 28 | Dr. G. Azad Basha | " |
| 29 | Dr. D.S.A. Mahaboob | " |
| 30 | Dr. S. Thameemul Ansari | " |
| 31 | Dr. K. Murugan | History |
| 32 | Dr. Mohammad Osman Pasha | " |
| 33 | Dr. P. Sivaraji | Tamil |
| 34 | Dr. M. Mujibur Rahman | " |
| 35 | Dr. G. Vengadakrishnan | " |
| 36 | Dr. S. Abdullah Shah | English |
| 37 | Dr. M. Sayeeduddeen | Urdu |

AIMS OF UNIVERSITY EDUCATION

To seek and cultivate new knowledge, to engage vigorously and fearlessly in the pursuit of truth and interpret old knowledge and beliefs in the light of new needs and discoveries.

To provide the right kind of leadership in all walks of life, to identify gifted youth and help them develop their potential to the full by cultivating physical fitness, developing the powers of the mind and cultivating right interest, attitudes and moral intellectual values.

To provide society with competent men and women trained in agriculture, arts, sense of social purpose. medicine, science and technology and various other professions, who will also be cultivated individuals imbued with a sense of social purpose.

To strive to promote equality and social justice and to reduce social and cultural differences through diffusion of education and

To foster in the teachers and students and through them in society generally, the attitude and values needed for developing 'good life' in individuals and society. They should assist the college in their attempt of qualitative self-improvement.

Education should enable young men and women to learn and practice civilized form of behaviour and to commit themselves to special values of significance.

The whole university life should be treated as one and polarization between teachers, students and administration should be avoided.

DEGREE PROGRAMMES OFFERED

UNDER GRADUATE PROGRAMS (Aided)

6 semesters – 3 years

UNDER CHOICE BASED CREDIT SYSTEM

For All UG Programmes : Language offered under

Part I - Tamil / Urdu / Arabic / Hindi

Part II - English

B.A. PROGRAMME

1. History

B.Sc. PROGRAMME

1. Mathematics
2. Physics
3. Chemistry
4. Biochemistry
5. Biotechnology
6. Computer Science

B.Com. PROGRAMME

1. Commerce
2. Finance and Accounts
3. Computer Applications

B.B.A. PROGRAMME

1. Business Administration

POST GRADUATE PROGRAMS (Aided)

4 semesters – 2 years

UNDER CHOICE BASED CREDIT SYSTEM

1. M.A. History
2. M.Sc. Mathematics
3. M.Sc. Chemistry
4. M.Com.

UNDER GRADUATE PROGRAMS (Self Finance)

6 semesters – 3 years

UNDER CHOICE BASED CREDIT SYSTEM

B.Sc. PROGRAMME

1. Computer Science
2. Data Science

B.Com. PROGRAMME

1. Commerce

B.C.A PROGRAMME

1. Computer Applications

POST GRADUATE PROGRAMS (Self Finance)

4 semesters – 2 years

UNDER CHOICE BASED CREDIT SYSTEM

1. M.Sc. Biochemistry
2. M.Sc. Biotechnology

RESEARCH PROGRAMS (Self Finance)

UNDER CHOICE BASED CREDIT SYSTEM

1. Ph.D. History (Part-time/ Part-time)
2. Ph.D. Commerce (Part-time/ Part-time)
3. Ph.D. Mathematics (Full-time/ Part-time)
4. Ph.D. Chemistry (Full-time/ Part-time)
5. Ph.D. Physics (Full-time/ Part-time)
6. Ph.D. Biotechnology (Full-time/ Part-time)
7. Ph.D. Biochemistry (Full-time/ Part-time)
8. Ph.D. Tamil (Part-time only)
9. Ph.D. English (Part-time only)
10. Ph.D. Urdu (Part-time only)

**SKILL DEVELOPING
VALUE ADDED / CERTIFICATE COURSES**

| S.No. | Courses Offered | Department |
|--------------|--|---------------------------------------|
| 1 | UGC Sponsored Certificate Course in 'e-Commerce & Footwear Technology' | Department of Commerce |
| 2 | Certificate Course in 'Accounting Technician' offered by ICAI | Department of Commerce (F&A) |
| 3 | Certificate Course in 'Arabic' offered by NCPUL | Department of Urdu & Arabic |
| 4 | Certificate Course in 'Tourism & Travel Management' | Department of History |
| 5 | Certificate Course in 'Spoken English' | Department of English |
| 6 | Certificate Course in 'Bio-Statistics-I' | Department of Mathematics |
| 7 | Certificate Course in 'Basic Electronics and Servicing of Home Appliances' | Department of Physics |
| 8 | Certificate Course in 'Preparation of Domestic Products' | Department of Chemistry |
| 9 | Certificate Course in 'Testing and Analysis of Industrial Products' | Department of Chemistry |
| 10 | Certificate Course on 'Herbal Medicines' | Department of Biotechnology |
| 11 | Hands on Training in 'Mushroom Cultivation' | Department of Biochemistry |
| 12 | Certificate Course in 'Web Designing' | Department of Computer Science |
| 13 | Certificate Course in 'Stress Management Skills' | Department of Business Administration |
| 14 | Certificate Course in 'Business Computer Applications' | Department of Commerce |
| 15 | Certificate Course in 'Online Trading of Securities' | Department of Commerce (CA) |
| 16 | Certificate Course in English for Budding Entrepreneur | Department of English |
| 17 | Certificate Course in Ornamental Fish Culture | Department of Biotechnology |

| | | |
|----|---|----------------------------|
| 18 | Certificate Course in Domestic & Lab Discharge Water Treatment Method & Process | Department of Chemistry |
| 19 | Certificate Course in Handling Advanced Instruments | Department of Chemistry |
| 20 | Certificate Course in PC Assembling & Maintenance | Department of Computer Sc. |
| 21 | Certificate Course in Network Administration | Department of Computer Sc. |

COLLEGE FEES

(A) Two terms a year at the following rates per term

| Course | Tuition Fee (₹) | Special (₹) | Lab. Fee (₹) |
|----------------------------|-----------------|-------------|--------------|
| B.A. History | - | 600 | --- |
| B.B.A., B.Com. (F & A) | - | 600 | --- |
| B.Com. (C.A), B.Com. | - | 600 | 1000 |
| B.Sc. Mathematics | - | 600 | 300 |
| B.Sc. Physics | - | 600 | 1000 |
| B.Sc. Chemistry | - | 600 | 1200 |
| B.Sc. Biotechnology | - | 600 | 3000 |
| B.Sc. Biochemistry | - | 600 | 1500 |
| B.Sc. Computer Science | - | 600 | 2700 |
| M.A. History | 250 | 750 | --- |
| M.Sc. Mathematics & M.Com. | 375 | 750 | --- |
| M.Sc. Chemistry | 375 | 750 | 3000 |

(B) At the time of admission:

| | B.A. B.B.A. B.Com. ₹ | B.Sc. Maths ₹ | B.Sc. P/C/ BT/BC ₹ | B.Sc. Comp. Sc. ₹ | M.A. M.Com. ₹ | M.Sc. M/C ₹ |
|--------------------------------|-------------------------------|---------------------|-----------------------------|----------------------------|---------------------|-------------------|
| Admission | 25 | 25 | 25 | 25 | 25 | 25 |
| M.I. Fee | 30 | 30 | 30 | 30 | 30 | 30 |
| Caution Deposit | 200@ | - | 200 | 400 | - | 400 |
| University Fees | 920/ 1120# | 920/ 1120# | 920/ 1120# | 920/ 1120# | 900/ 1650# | 900/ 1650# |
| Mark Statement | | | | | | |
| Verification Fee per Statement | 50 | 50 | 50 | 50 | - | - |

@ for B.Com. & B.Com. (C.A) courses only

for students who have studied in other than Thiruvalluvar University / State Board

(C) Once a year – First term only for all Students:

| | |
|-------------------------------|-------------------|
| Student's Aid Fund | 20 |
| Calendar | 100 |
| Magazine | 150 |
| Library | |
| for UG | 300 |
| for PG | 500 |
| Computer Lab./Maintenance Fee | 1000 ⁺ |
| Student's Group Insurance | 50 |
| Red Cross Society | 20 |
| Flag Day | 5 |
| Corpus Fund – NSS | 15 |

✦ for other than Computer Science students who have selected Computer Application as paper / course of study.

COLLEGE RULES

- At the time of admission the fee for the first term of the course concerned shall be paid. Subsequently fees must be paid without fail not later than 5 working days of every term.
- If a student fails to pay his fee on the day fixed for the payment he shall pay a fine of ₹ 1/- for each working day the payment is delayed.
- If he fails to pay his fee upto 15 working days of each term, he shall have his name removed from the rolls. If re-admitted, he shall in addition to the fee and fines due from him, pay a re-admission fee of ₹ 25/- and lose attendance for the period for which his name was removed from the rolls.
- Fee once paid will not be refunded on any account.
- Students are advised to retain their fee receipt with them till the completion of the course, and should be produced if required.
- The College authorities reserve to themselves the right to increase the Special and other fee if they consider it necessary to do so.
- The fee to be paid by every student will be notified both in Prospectus and the Calendar of the year concerned.
- If a student leaves the college at the beginning of the year or later during the course, he will have to pay the fee due for the course as per rules before his transfer and other certificates are issued to him.

- The College authorities reserve to themselves the right to cancel the admission of a student without returning the fee (1) if there is any discrepancy between the certificates produced and entries in the form of application for admission (2) if any suppression of fact is discovered later on, and to issue the Transfer Certificate during the period of his study if his behaviour is not conducive to the smooth working of the institution (3) if he does not agree to the nomination of the Office-bearers of the College Union and Secretaries of Subject Association by the Principal.

ATTENDANCE AND LEAVE RULES

- It shall be the duty of each student to attend the college regularly and punctually on all days and go through the programmed course satisfactorily.
- The teacher records attendance every hour. It is obligatory on the part of the students to attend all the hours prescribed for the day.
- A minimum of 75% attendance is necessary for Theory examinations in each semester to appear for the End Semester Examinations (ESE).
- Students will be permitted to appear for Practical examinations only if they have attended 75% of the practical classes.
- Students who have attendance below 75% in Theory and Practical are to adhere the following regulations:
 - a) Students who have an attendance of more than 65% but less than 75% are eligible to appear for the E.S.E on condonation by the Principal by paying a Condonation Fee of ₹ 600/-
 - b) Students who have attendance of more than 55% but less than 65% are detained for that particular semester. They will be permitted to write the exams in the consequent Semester by paying a Condonation Fee of ₹ 600/- and also by paying the prescribed Tuition Fee / Lab. Fee.
 - c) Students who have an attendance of less than 55% are detained and they shall REDO the semester after completion of the programmed course after getting re-admission that too at the sole discretion of the Principal. However, readmission will be allowed only once during the duration of the course.
 - d) Those who are asked to redo the course can continue their studies without break, but redo that particular semester after completing the course by attending the special classes arranged by HOD concerned.
- No student shall be absent from the college without applying for leave.

- In extraordinary cases students shall apply for leave as early as possible and report to the members of the staff concerned immediately on their return to the college.
- Leave for more than two days on grounds of illness will be granted if the application for leave is accompanied by medical certificate.
- No leave will ordinarily be granted for days prefixed or suffixed to holidays, vacations etc.
- If a student absents himself for an hour in a forenoon session, he shall lose attendance for that session. Similarly for afternoon session.
- If a student absents himself without leave for 5 consecutive days his name may be removed from the roll.
- The Principal shall be loco parentis to the students of the college. It shall be open to him to adopt any procedure he thinks fit to punish the students by taking any disciplinary action including expulsion from the college for breach of discipline. The procedure and the nature of the punishment shall not be questioned either by the student or by the parent.

DISCIPLINE AND BEHAVIOUR

- Students shall wear clean, decent and respectable dress.
- No student will be permitted to enter the campus without the ID Card.
- Students shall not loiter in the verandahs. Gathering in groups and making noise in the college premises are strictly forbidden. While moving from one class to another they shall not create any disturbance or make any noise.
- If for any reason there is no class, students shall go to reading room.
- No student shall leave the college premises during college hours without the permission of the Principal.
- Every student shall greet the members of the staff whenever he meets them.
- When a member of the staff enters the classroom or leaves it, students shall rise and remain standing till he takes his seat or leaves the room.
- No student shall leave the classroom without the permission or till teacher has left the room.
- Students shall co-operate with the authorities in keeping the premises of the college clean and tidy. They are forbidden from smoking anywhere in the college premises, scribing on the wall, scratching and thumping the desks and throwing the litter in the college premises, disfiguring the walls, furniture, garden, etc., are strictly prohibited. Students are forbidden from displacing or interfering in any way with the

arrangement of the furniture of the college. Any damage done to the furniture will be charged for and the students concerned severely punished. If the offender is not traceable, a collective fine will be imposed.

- Lunch shall be taken at the Dining Hall only.
- Students are strictly forbidden from entering the office room. They will transact all business across the counter.
- Students shall not organize or attend any meeting in the college or collect money for any purpose without the previous permission of the Principal.
- No student shall be a member of any association not connected with the college without the previous permission of the Principal. He shall not take part in any anti-social and subversive activity. A student contravening this rule is liable to be punished with cancellation of scholarships, fee concessions etc., granted to him, or is liable to be removed out from the college summarily. It will also be open to the Principal to issue the Transfer Certificate at any time during the academic year and the onus would be on the student concerned to secure admission in any other college or the principal may refuse to issue him conduct or progress certificate without assigning any reasons whatsoever. Further, the Principal may also expel a student for any of the following reasons:
 - For action on the part of the student which directly or indirectly affects the dignity of the institution.
 - Gross breach of the discipline.
 - For any other valid reason.
 - The Principal may at his discretion require a student who does not show adequate progress in studies or who is irregular in attendance or whose behaviour is not conducive to the smooth working of the institution, to remove from the College and issue him the Transfer Certificate.
 - Students should cultivate a sense of dignity, responsibility and order. They should learn to think straight and appreciate the good and the beautiful. In general, the students are expected to conduct themselves in and outside the College as gentlemen and maintain the honour and dignity of the academic community to which they belong.
 - Students should avoid doing anything by word or deed that may disturb the working of, or the unity and harmony of life both in College. Therefore, they shall never bank themselves as a body to petition their demands but shall INDIVIDUALLY approach the authorities. Therefore, cliques and party groups will be severely dealt with even to the point of expulsion.

RAGGING

As per the University Grants Commission's letter No. F.8-1/99 (PP-II) dated 13.01.2000, ragging may include: Display of noisy, disorderly conduct, teasing incitement by rough or rude treatment or handling, indulging in rowdyism, undisciplined activities which cause or likely to cause annoyance, undue hardship, physical or psychological harm or raise apprehension or fear in a fresher or asking the students to do any act or perform something which a student will not do in the ordinary course and which causes him shame or embarrassment or danger to his life.

G.O. on Ragging: The Government of Tamil Nadu has prohibited ragging within or outside any educational institutions by passing a Government Order "Tamil Nadu Prohibition of Ragging Act 1997" vide their Order No. 7 of 1997 dt. 14.02.1997 which says that whoever directly or indirectly participated or propagates "ragging" will be punished as follows:

- i) Imprisonment upto a term of two years
- ii) A fine of ₹ 10,000/-
- iii) Students convicted of the offence will be dismissed from the institution and will not be admitted in any other institution.

As per G.O., any student found guilty of ragging and or abetting ragging shall be expelled from the institution.

National Anti-Ragging Helpline 1800-180-5522 (24x7 Toll free)

email: helpline@antiragging.in

WORKING DAYS

The College works on all days except Saturdays, Sundays and holidays declared by the institution. If necessary, classes may be held on some of these days also.

EXAMINATIONS AND TESTS

Examinations for all classes are held periodically. Further, Tests in all subjects are held from time to time. Attendance in these Tests and Examinations is compulsory.

Progress cards containing the marks secured in the Tests and Examinations are sent to the parents or guardians.

PUNISHMENT FOR MALPRACTICE DURING EXAMINATIONS

Punishment for malpractice during examinations will be as per the guidelines issued by Tamil Nadu State Council for Higher Education (TANSCH).

PROMOTION AND SELECTION

All students are required to take Tests and Examinations. No student admitted to College is automatically eligible for promotion and selection. Besides student's attendance, his progress in studies and conduct as assessed by the staff and the Principal will be the only consideration for promotion to the next class or selection for the university examinations. The Principal may, at his discretion expel a student from the college who does not show adequate progress in studies or who is irregular in attendance or whose conduct is not satisfactory.

The annual certificate of the progress and the attendance will not be forwarded to the University for admission to the University / Autonomous examinations unless (1) the Principal is satisfied with regard to student's progress and conduct and (2) the student has attended the number of working days required by the University.

COLLEGE FEE CONCESSION AND SCHOLARSHIP

Fee Concession:

The students belonging to the Most Backward Classes and Denotified Communities studying in Aided Courses are provided free education by the State Government irrespective of the annual income of their parents/guardians.

Studying in both Aided and Self Financing students belonging to the Scheduled Castes and Scheduled Tribe communities should pay only the special fees. Those belonging to Backward Classes should pay full fees on joining the college and could claim refund if concession is sanctioned on the production in time of the income and other necessary certificates. The income certificate should be signed by an officer of the Revenue Department not below the rank of a Deputy Tahsildar.

Scholarship and other fee concession will be based on the good conduct, behaviour, progress in studies and regularity in class tests and examinations as certified by the Principal on the reports of the Heads of Departments concerned.

LIBRARY

- The Library works on all working days from 9.00 am to 5.00 pm.
- The Library works on the Open Access System.
- A degree student may take three books at a time.

- No students shall keep a book for more than a fortnight. If the due date happens to be a holiday, the book shall be returned on the next working day.
- After a fortnight from the date of issue, a book may be re-issued to the same student only if there is no other applicant for it.
- Reference books are for consultation only and they shall not be issued under any circumstance.
- Absence from the college shall not be an excuse for delay in returning the books.
- The librarian may recall a book at any time even before the due date.
- Library books shall be handled with great care; students damaging the library books in any form will be severely dealt with.
- The attention of the librarian must be drawn by the borrower to damages, if any found in a book at the time of issue, otherwise, the borrower shall be held responsible for the damage found in the book when it is returned.
- A borrower shall replace any book lost by him or pay such compensation as decided by the principal.
- A fine of ₹ 1/- shall be paid for each day if a book is detained after the due date. The borrower shall not use the library till the book is returned and the fine is paid.
- Sub-lending of books is strictly prohibited.
- Strict silence shall be maintained in the library.
- The librarian may, for purpose of cataloging or for other reason, recall a book at any time even before the due date and may re-issue it to the same borrower after the purpose is over.
- Any book in great demand may be lent for a shorter period.
- Student losing the borrower's ticket shall make a written report to the librarian immediately. A period of one month will be allowed to trace and produce the ticket lost, If even after this period the ticket is not traced, an undertaking in writing shall be given to the effect that the student shall hold himself responsible for any unauthorized borrowing against the ticket lost. Duplicate ticket will be issued on payment of ₹ 5/-

BOOK BANK

Standard text-books will be issued to poor and deserving students from the Book Bank on the recommendation of the professor concerned for a period of one month. Further, extension could be considered afresh on returning the books subject to the demand and availability of the book.

READING ROOM

- Reading Room will remain open on all working days from 9.30 a.m. to 5.00 p.m.
- No student shall take any book or note-book into the Reading Room.
- Strict silence shall be maintained in the Reading Room.
- Magazines etc. kept in the Reading Room shall not be removed by readers.
- No current periodical, magazine, etc., will be lent. Back numbers will be issued by the Librarian with necessary entries made in a separate register maintained for that purpose.
- Magazines, periodicals, etc. shall not be marked or disfigured in any manner, nor shall leaves be torn or removed.

UNION AND SUBJECT ASSOCIATIONS

The Office-bearer of the College Union and the Secretaries of the Subject Associations shall be nominated by the Principal on merit cum good conduct basis.

The College Union and the affiliate Associations are mainly intended to afford opportunities to students to train themselves in public speaking, to enable them to participate with credit in the numerous inter-class and inter-collegiate competitions and to prepare and present learned papers on specific subjects. All these activities will be permitted and the accounts and photos relating to these activities will be published only if the College functions normally and peacefully during the academic year.

The Principal will be ex-officio President of the Union and the other Associations. Heads of the Departments will be nominated Vice-Presidents for the same.

ISLAMIAH COLLEGE ALUMNI ASSOCIATION

To establish a continuous and meaningful relationship between the College and its alumni, Islamiah College Alumni Association was revived during the academic year 2001-2002. It provided an opportunity to the old boys of the College to contribute liberally in the development of their Alma Mater. Old boys, who have not yet joined this Association, are requested to enroll themselves immediately.

Patron Membership fee is ₹ 10,000/- and Life Membership fee is ₹ 2,000/- (One-time subscription).

The ordinary member has to pay an annual subscription of ₹ 200/- only. The Demand Draft may be obtained towards the subscription in favour of “Islamiah College Alumni Association” and sent to the Principal, Islamiah College, Vaniyambadi.

DIGNITARIES TO BE INVITED TO THE COLLEGE

Educationists, Scholars, Government officials and Ministers alone can be invited under the auspices of the College Union and Subject Associations and for the other related functions of the College.

PROFICIENCY PRIZES

Prizes are awarded every year to the two best students in each degree class for proficiency in studies. Only those students whose attendance, progress and conduct have been uniformly satisfactory shall be eligible for the award of the prizes.

D.T. SUBRAMANIAN MEDAL

It is awarded every year for proficiency in Economics to a final year student of Economics. Only those students whose attendance, progress and conduct have been uniformly good shall be eligible for the award of this Medal.

PROF T.V. SRIVANASAN SILVER CUP

It is awarded every year on the College Day for proficiency in History to a final year Post Graduate student of the College whose attendance, progress and conduct have been uniformly good and who secures the highest marks in the University/Autonomous Examinations.

DR. ROHINI BELLIAPA'S PRIZE

This prize is awarded every year for proficiency in curricular and extra-curricular activities to a final year Under Graduate/Post-Graduate student passing out of the College who is adjudged the best for his all-round performance both in studies and sports and whose attendance and conduct have been uniformly good.

K.P. SRINIVASA RAGHAVAN MEDAL

It is awarded each year to a student of the college who passes the B.Com. Degree Examination with the highest total marks, having passed each paper in the very first attempt and whose attendance, progress, and conduct have been uniformly good.

PROF. K. SITARAMAN CASH PRIZE

This cash prize was instituted during 2001-2002. It is awarded every year to the student as cash prize who secures highest marks in part II English (B.A. and B.Sc.) in the University Examinations.

MRS. RENUKA DEVI MEMORIAL PRIZES

This cash prize was instituted during 1999-2000 by Mr. K. Ilamperuvazhuthi, Retired Professor of Tamil of our College. It is awarded every year to the student as cash prize who secure the highest mark in Part I Tamil (I year and II year students who pass in first attempt)

PROF. S. GOVINDASAMY CASH PRIZES

This cash prize was instituted by Dr. S. Akbar Kouser during the year 1997-98. It is awarded each year to a student of the College who passes the B.Sc. Biochemistry Degree Examination with the highest total marks, having passed Peach paper in the very first attempt and whose attendance, progress, and conduct have been uniformly good.

JANAB KAKA MOHAMED UMER SAHIB MEMORIAL PRIZE

This prize is given in the form of study books and was instituted by Janab Kaka Md. Zubair Sahib, during 2000-2001. It is awarded each year to a student of the College who passes the M.Sc. Biochemistry degree Examination with the highest total marks, having passed each paper in the very first attempt and whose attendance, progress, and conduct have been uniformly good.

MR. EKAMBARAM MURUGESAN ROLLING CUP

This Rolling Cup was instituted by Dr. E. Padmini during 2000-2001. It is awarded each year to a student of the College who passes the M.Sc. Biochemistry Degree Examination with the highest total marks, having passed each paper in the very first attempt and whose attendance, progress, and conduct have been uniformly good.

ISSUE OF CERTIFICATES

RULES

Certificates and other documents submitted to the college at the time of admission of a student will be returned to him only when he leaves the college.

The following certificates will be issued to the students on application and payment of fees noted against each. Application for sending certificates

by post must be accompanied by necessary stamps for postage and registration and the required fees.

- **Transfer Certificates:** No fee if the request for issue is made immediately after the final examination. A fee of ₹ 100/- per year will be collected if the request comes after three months of the final year of study. i.e.; after September.
- Duplicate of any certificate especially the Transfer Certificate will not be issued, without a letter attested by a Gazetted Officer or any responsible gentleman to the effect that the original certificate issued by the College is irretrievably lost. A fee of ₹ 500/- will be charged in cases of all such applications but the issue of duplicate certificate will be at the sole discretion of the Principal.
- All applications for the certificates shall contain the following particulars: (1) Name (2) Date of joining the College (3) Class and Register Number (4) Language under Foundation Course (5) Main Subject (6) Date of leaving (7) Purpose of Getting Certificate (8) Any special particular to be mentioned in the certificates such as distinctions in examination, games, extra-curricular activities etc., (9) Fee remitted and (10) signature and address of the applicant with date.

GAMES AND ATHLETICS CLUB

- | | | |
|---------------|---------------|-----------------|
| 1. Football | 2. Hockey | 3. Cricket |
| 4. Volleyball | 5. Basketball | 6. Baseball |
| 7. Badminton | 8. Tennis | 9. Table Tennis |

Every student is required to participate in one or other of the games. All the First Year Degree students are required to undergo a course of physical training prescribed by the College and their sessional and progress certificates will not be considered complete unless the Principal certifies, on the report of the Physical Director, that the student has undergone the prescribed course in physical training and put in three-fourths of the attendance in addition to the usual course of instruction. The minimum number of days to be provided for physical training per year will be 40. No student shall be exempted from the course of physical training unless exemptions should be approved by the University. Applications for such exemptions should be made to the University through the Principal during the first term itself. In case where such disability occurs later, the reports should be made immediately thereafter.

An Annual Athletic Meet is conducted by the College and prizes and certificates are awarded for proficiency in games and sports in the Sports Day Celebrations.

CUPS AND SHIELDS

1. Dr. D. K. Rohini's Cup

This Rolling Cup was instituted in 1948. It is awarded every year to the class which wins the Inter-class Badminton Tournament.

2. Dr. M. Abdullah's Shield

This Rolling Shield was instituted in 1948. It is awarded every year to the class which wins the Inter-class Football Tournament.

3. Janab T.K. Md. Zackriah Sahib's Cup

This Rolling Cup was instituted in 1955. It is awarded every year to the College Athletic Team which scores the highest number of points in the Annual Sports Meet.

4. The United Sports Works Shield

This Rolling Shield was instituted in 1955. It is awarded every year to the class which scores the highest number of points in the annual Inter-class Tournament.

5. Mr. Mahboob Ali Khan's Shield

This Rolling Shield was instituted in 1961. It is awarded to the class which wins the Inter-class Volleyball Tournament every year.

6. Oberoi Shield

This Rolling Shield was instituted in 1967. It is awarded to the individual champion athlete of the college every year.

7. Pavendar Cup

Instituted by the College Tamil Manram, this Rolling Cup is awarded every year to the student who comes first in the Vellore District Inter Collegiate Tamil Verse Competition.

8. Pavanar Cup

This Rolling Cup, instituted by the College Tamil Manram, is awarded every year to the College which comes first in the Vellore District Inter-Collegiate Tamil Oratorical Competition.

9. OMEIAT Rolling Cup for English

This Rolling Cup, instituted in 1988 by the V.M.E. Society is awarded to a Muslim College of Vellore District which comes first in the Literary Contest in English.

10. Umaruppulavar Cup

Instituted by the College Tamil Manram, this Rolling Cup is awarded every year to the student who comes first in the Vellore District Inter-Collegiate Tamil short story writing competition.

11. Pulavar Nayagam Cup

Instituted by the College Tamil Manram, this Rolling Cup is awarded every year to the student who comes first in the Vellore District Inter-Collegiate Tamil essay writing competition.

12. Kavikko Rolling Cup

Instituted by the College Tamil Manram, this Rolling Cup is awarded every year to the student who comes first in the Tamil Nadu State Inter Collegiate Tamil Modern Poetry Competition.

13. Best Library User Award

The Department of Library & Information Science has instituted “Best Library User Award” during the academic year 2018-19. This Award is given to three students every year on the basis of the maximum usage of the Library.

MARTYR PLAQUE OF THE ALUMNUS

As per the directives of Hon’ble Prime Minister’s Office communicated through the letter of Central Industrial Security Force (CISF), Ministry of Home Affairs, Government of India No. E-42099/CISF/CHPT/Wel/Adm-IV/2018/ 3449 dt. 19.05.2018, the plaque of the Martyr, the proud alumnus of this college Mr. P. Madhaiya Reddy (B.A. History 1969-72) was established in front of the NCC office. Every year on 21st October the Commemoration Day is celebrated by the NCC, staff and students.

NATIONAL CADET CORPS

(SENIOR DIVISION, ARMY WING)

Aims of NCC

1. To develop qualities of character, courage, comradeship, discipline, leadership, secular outlook, spirit of adventure and sportsmanship and the ideal of selfless service among the youth to make them useful citizens.
2. To create a human resource of organized, trained and motivated youth, to provide leadership in all walks of life, including the Armed Forces and be available for the service of the nation.

CARDINALS OF DISCIPLINE

1. Obey with a smile
2. Be punctual
3. Work hard and without fuss
4. Make no excuses and tell no lies.

ENROLMENT OF CADETS:

1. Students from I and II year Degree Classes are enrolled in NCC on voluntary basis.
2. The enrolment of cadets shall be taken up at the beginning of the academic year. The application for enrolment can be obtained from the College NCC office.
3. The applicant shall in his application furnish particulars of age, height, previous NCC experience if any, the institution in which he last studied and proficiency in games and sports.
4. He shall be of good character.
5. He shall satisfy standard of physical fitness such as in height, chest measurement etc. as specified by the Ministry of Defence, Government of India.
6. He shall, at no time, have been dismissed from the Indian Territorial Forces.

ATTENDANCE OF PARADES

Every cadet has to attend a minimum of 85% of parades conducted during the academic year. Otherwise, he will not be eligible to appear for Certificates' Examination. The First year Degree students who join NCC will be permitted to appear for the University Examination only when they attend 85% of the parades.

LEAVE

No cadet shall be absent from the parades without leave. If a cadet reports at the parade late, he shall be marked absent. No leave will be granted without prior permission.

UNIFORM

Cadets shall come for the parades in uniform otherwise they will not be allowed to attend parades.

CERTIFICATE EXAMINATION

Cadets who have attended not less than 85% of the parades in the first year and attended at least one camp are eligible to appear for 'B' certificate examination. Similarly the second year cadets who have attended not less than 85% of the parades in aggregates of training, passed 'B' Certificate Examination and participation at least two camps are eligible to appear for Certificate 'C' Examination.

CADETS' WELFARE SOCIETY

Every cadet has to join the NCC Cadets Welfare Society organized by the Ministry of Defence, Government of India. The aim of the Society is to extend financial assistance to the Cadets ranging from ₹ 8,000 to ₹ 1,00,000 based on death, permanent disability, temporary disability etc. Every cadet shall submit the nomination form of the Welfare Society and pay the subscription of ₹ 4/- on or before 30th August so as to enable the unit commander to forward the same to the NCC Group Headquarters, Chennai on or before 5th September every year.

NCC REGIMENTAL FUND

Every cadet shall subscribe ₹ 12/- towards the NCC Organization and Regimental Fund. The amount is to be sent to the Battalion Headquarters, Vellore before the end of September.

GENERAL

Irregular attendance, insubordination, habitual inattention in classes, improper behaviour, obscenity in work or act and participation in a movement subversive of the discipline of the unit and College are strictly forbidden.

REGULATIONS

BACHELOR DEGREE PROGRAMMES

(For Students admitted from 2023-2024)

CBCS

Choice-Based Credit System (CBCS) is flexible for learning. Credit defines the quantum of contents/syllabi prescribed for a course and determines the number of hours of instruction required. The distinguishing features of CBCS are the following:

It permits the students to:

- Choose Electives from a wide range of Elective Courses offered by various departments of the College.
- Undergo additional courses and acquire more than the required number of credits.
- Adopt an interdisciplinary approach to learning.
- Make the best use of the expertise of available faculty.

1. Eligibility for Admission

Students for admission to the first year UG degree programme in Arts / Science / Commerce / Business Administration shall be required to have passed the Higher Secondary Examinations (Academic or Vocational Stream) conducted by the Government of Tamil Nadu or an Examination accepted as equivalent thereto by the Governing Body of Islamiah College (Autonomous), Vaniyambadi.

Provided that Students for admission into the specific main subject of study shall also possess such other qualifying conditions as may be prescribed by the University / College in the regulations governing respective programmes of study.

Admission to the direct second year of the UG degree programme under the LATERAL ENTRY system is permitted, provided there is a vacancy and it is subjected to the Eligibility and specific permission of Thiruvalluvar University. Lateral Entry admission is for those candidates who have completed their three-year diploma in the subject in which they seek admission.

2. Cancellation of Admission

The admission is at the student's risk and is provisional, subject to the approval of Thiruvalluvar University. If the admission is not approved for any

reason, the candidate shall not hold the College responsible for it. If selected, in the event of leaving the College after admission but at any time before completing the programme, the fee for the residual period of the course should be paid by the student as per the rules in force.

3. Eligibility for the Award of Degree Programme

A student shall be eligible for the award of the Degree programme only if he has undergone the prescribed course of study in this College for three academic years and passed the examinations of all the Six Semesters prescribed, earning 140 credits and fulfilling such conditions as have been prescribed, therefore.

4. Duration

- a. Each academic year shall be divided into two semesters. The first academic year shall comprise the first and second semesters, the second academic year: the third semesters and fourth semester and the third academic year: the fifth and sixth semesters, respectively.
- b. The Odd semesters shall consist of the period from June to November of each year and the even semesters from December to April of each year. There shall be at least 90 working days comprising 450 instructional hours for each semester.

5. Course of Study

The main subject of study for Bachelor's Degree programme shall consist of the following:

| | |
|-----------------|--|
| PART I | Tamil/Languages |
| PART II | English |
| PART III | Core Courses, Generic Elective & Discipline Specific Elective |
| PART IV | Skill Enhancement Courses, Ability Enhancement Courses Environmental Studies, Value Education, Internship/Industrial Training and Professional Competency Course |
| PART V | Extension Activity |

6. Extension activities

All the students shall have to enrol for NCC / NSS / Sports and Games / Rotaract / Youth Red Cross or any other service organization and subject associations in the college and shall have to put in a compulsory minimum attendance of 40 hours which shall be duly certified by the Principal of the college before 31st March in a year. If a student lacks 40 hours of attendance in the first year, he has to compensate for the same during the subsequent years. Literacy and Population Education field work shall be compulsory components in the above extension service activities.

The total marks for Extension Activities are 100, it is divided into 75 for External Activities (outside the college campus) and 25 for Internal Activities (inside the college campus) and the passing minimum is 40%.

7. Continuous Internal Assessment (CIA) Test

The following procedure will be followed for the award of internal marks:

CIA Test I: Two or Three hours duration for 75 marks

CIA Test II: Three hours duration for 75 marks

| Marks Distribution | Theory & Practical |
|---------------------------------------|--------------------|
| CIA Test Marks 150 to be converted to | 10 Marks |
| Library Usage in Hours | 5 Marks |
| Assignment / Seminar / Observation | 5 Marks |
| Attendance | 5 Marks |
| TOTAL | 25 Marks |

| Reg. No | Name | Test I - 75 | Test II - 75 | Total -150 | Marks converted to 10 | Library Usage Min. 20 hours - 5 | Assignment / Seminar 5 | Attendance - 5 | Total for 25 (Rounded Off) |
|---------|------|-------------|--------------|------------|-----------------------|---------------------------------|------------------------|----------------|----------------------------|
| | | | | | | | | | |

In the last column, any fraction may be rounded off to the nearest integer.

The marks for the Attendance component in the Continuous Internal Assessment should be calculated as follows:

| Attendance Earned | Category | Marks to be Awarded |
|-------------------|----------------|---------------------|
| 90 % and Above | Highly Regular | 5 |
| 75% but below 90% | Regular | 4 |
| 65% but below 75% | Shortage | 3 |
| 55% but below 65% | Detained | 2 |
| Below 55 % | Redo | 0 |

The following procedure will be followed for the award of internal marks component of Library Usage:

Library Usage for all UG Programmes - 20 hours per Semester

| Library usage for UG in hours | Marks to be awarded |
|--------------------------------------|----------------------------|
| 1 hour to 7 hours | 3 |
| 7 hours to 14 hours | 4 |
| 14 hours and above | 5 |

8. Requirements for proceeding to subsequent Semester

- Students shall register their names for the First-semester Examination after admission to the UG programmes.
- Students shall be permitted to proceed from the first Semester up to the Final Semester irrespective of the number of arrears in any of the End Semester Examinations.
- Students shall be eligible to go to subsequent semesters as per the attendance rules prescribed by the Governing Body from time to time.

9. Requirements to take the End Semester Examinations

- A Student will be permitted to take the End Semester Examinations of any Semester if
 - he secures at least 75% of attendance out of the 90 instructional days / 450 instructional hours during the particular Semester.
 - he earns a progress certificate from the Principal for having satisfactorily completed the prescribed course of study in the subjects as required by these Regulations, and
 - his conduct has been satisfactory.
- A Student who has secured attendance of less than 75% but 65% and above shall be permitted to take the End Semester Examinations on the recommendation of the Head of the Department and approved by the Principal to condone the lack of attendance as well as on the payment of the prescribed condonation fee to the College.

Students will be permitted to appear for Practical examinations only if they have attended 75% of the practical classes. A student who has secured an attendance of less than 65% but 55% and above is detained, for that particular semester. He/She will be permitted to write the examinations in the next Odd / Even Semester by paying the prescribed condonation fee.

The Students who have an attendance of less than 55% are detained and they shall REDO the semester after completion of the programme and after

getting re-admission, that too at the sole discretion of the Principal. However, readmission will be allowed only during the respective semester of the programme. Those redo the courses shall attend the special classes arranged by HOD concerned.

The REDO students who have already completed their CIA Test and Practical Examination with at least minimum qualifying marks may be exempted from reappearing for the CIA Test and Practical Examination again in the readmitted Semester. However, if any student wishes to improve upon his marks, he can appear for the CIA Test and Practical Examinations. In such a case, the original marks or the marks secured in the readmitted semester, whichever is higher, shall be taken as final marks.

10. Passing Minimum

Students shall be declared to have passed the whole examination if he passes all the papers and practicals, wherever prescribed / as per the scheme of examinations, by earning 140 CREDITS. He shall also complete one MOOC and fulfill the extension activities prescribed to qualify for the Degree.

In fixing the passing minimum, the following will be observed:

- There shall be no passing minimum for Internal Assessment.
- For End Semester Examinations, the passing minimum shall be **P** (minimum 40 % marks prescribed for the paper for each course / practical / project and Viva-voce).
- In aggregate (End Semester Examination + Internal Assessment) the passing minimum shall be **P** for each course.

11. Grading System

The marks earned by a candidate in the Internal Assessment and End Semester Examinations for each of the courses will be added. The marks thus obtained will then be converted into Letter Grades and Grade points as per the details given below:

| Range of Marks | Letter Grade | Grade Points |
|----------------|--------------|--------------|
| 96 – 100 | O | 10 |
| 86 – 95 | A+ | 9 |
| 76 – 85 | A | 8 |
| 66 – 75 | B+ | 7 |
| 56 – 65 | B | 6 |
| 50 – 55 | C | 5 |
| 40 – 49 | P | 4 |
| 00 – 39 | F | 0 |
| Absent | Ab | 0 |

The term Grading system indicates a seven-point scale of evaluation of the performances of students in terms of Grade Points secured in the Internal and External Examinations.

12. Classification of Successful Candidates

Successful Students who passed all the specified courses in a programme are classified as follows:

Passed all the courses with CGPA of 7.5 and

above without any arrears : First Class with Distinction

Passed all the courses with CGPA 6 to 7.4 : First Class

Passed all the courses with CGPA 5 to 5.9 : Second Class

Passed all the courses with CGPA 4 to 4.9 : Third Class

The total performance within a semester and continuous performance starting from the first semester are indicated respectively by Grade point Average (GPA) and Cumulative Grade point Average (CGPA). These two are calculated by the following formula.

$$GPA = \frac{\sum_i C_i G_i}{\sum_i C_i} = \frac{\text{Sum of the product of credits and grade points earned}}{\text{Sum of the credits of the courses in a Semester}}$$

$$CGPA = \frac{\sum_n \sum_i C_{ni} G_{ni}}{\sum_n \sum_i C_{ni}}$$

$$= \frac{\text{Sum of the product of the credits and grade points earned}}{\text{Sum of the credits for the entire programme}}$$

Where C_i is the credit earned for the course i in any semester, G_i is the grade point obtained by the student for the course i and n is the number of courses passed in that semester. CGPA is the GPA of all the courses starting from the first semester to the current semester.

**Choice Based Credit System (CBCS), Learning Outcomes Based Curriculum
Framework (LOCF) Guideline-Based Credit and Hours
Distribution System for all UG courses including Lab Hours**

First Year – Semester-I

| Part | List of Courses | Credit |
|-------------|--|---------------|
| Part-1 | Language – Tamil | 3 |
| Part-2 | English | 3 |
| Part-3 | Core Courses & Elective Courses [in Total] | 11 |
| Part-4 | Skill Enhancement Course SEC-1 | 2 |
| | Foundation Course | 2 |
| | Ability Enhancement Course | 2 |
| | | 23 |

Semester-II

| Part | List of Courses | Credit |
|-------------|---|---------------|
| Part-1 | Language – Tamil | 3 |
| Part-2 | English | 3 |
| Part-3 | Core Courses & Elective Courses including laboratory [in Total] | 11 |
| Part-4 | Skill Enhancement Course -SEC-2 | 2 |
| | Skill Enhancement Course -SEC-3 (Discipline / Subject Specific) | 2 |
| | Ability Enhancement Course | 2 |
| | | 23 |

Second Year – Semester-III

| Part | List of Courses | Credit |
|-------------|---|---------------|
| Part-1 | Language - Tamil | 3 |
| Part-2 | English | 3 |
| Part-3 | Core Courses & Elective Courses including laboratory [in Total] | 12 |
| Part-4 | Skill Enhancement Course -SEC-4 (Entrepreneurial Based) | 4 |
| | Skill Enhancement Course -SEC-5 (Discipline / Subject Specific) | |
| | E.V.S | |
| | Ability Enhancement Course | |
| | | 22 |

Semester-IV

| Part | List of Courses | Credit |
|-------------|---|---------------|
| Part-1 | Language - Tamil | 3 |
| Part-2 | English | 3 |
| Part-3 | Core Courses & Elective Courses including laboratory [in Total] | 11 |

| | | |
|--------|---|----|
| Part-4 | Skill Enhancement Course -SEC-6 (Discipline / Subject Specific) | 2 |
| | Skill Enhancement Course -SEC-7 (Discipline / Subject Specific) | 2 |
| | E.V.S | 2 |
| | Ability Enhancement Course | 2 |
| | | 25 |

Third Year Semester-V

| Part | List of Courses | Credit |
|--------|---|--------|
| Part-3 | Core Courses including Project / Elective | 22 |
| Part-4 | Value Education | 2 |
| | Internship / Industrial Visit / Field Visit | 2 |
| | | 26 |

Semester-VI

| Part | List of Courses | Credit |
|----------|---|--------|
| Part-3 | Core Courses including Project / Elective & LAB | 18 |
| Part-4 | Professional Competency Skill | 2 |
| Part - 5 | Extension Activities | 1 |
| | | 22 |

13. Ranking

Students who pass all the examinations prescribed for the programme in the First Appearance alone are eligible for Ranking, provided in the case of candidates who pass all the examinations prescribed for the program with a break in the First Appearance due to shortage of attendance, but his conduct has been satisfactory are also eligible for Classification. The marks obtained in Improvement Examinations will not be taken into consideration for Ranking.

14. The Medium of Instruction and Examinations

The medium of instruction and question paper shall be in English. The students having arrears in odd/even semesters can appear for such papers in the odd/even semester examination without any restrictions.

15. Submission of Record Notebooks for Practical Examinations

Students taking the Practical Examinations should submit Bonafide Record Note Books prescribed for the Practical Examinations. Otherwise, the students will not be permitted to take the Practical Examinations. However, in genuine cases, where students could not submit the record notebooks may be permitted to take the Practical Examinations provided the Head of the Department and the Course Teacher concerned certify that the student has performed the experiments prescribed for the course. For such Students who

do not submit Record Books, zero marks will be awarded for record notebooks in the Practical Examination concerned.

In case a Student does not secure the prescribed passing minimum in the Practical Examination, the marks awarded for the Record Note Book at the time of the first appearance for the Practical Examination should be made available by the Head of the Department concerned, at the subsequent appearance by the candidate.

16. Improvement of Marks in the Courses already passed

Students, desirous of improving the marks secured in a passed course on their first attempt, shall reappear once within a period of two subsequent semesters. The improved marks shall be considered for Classification / Distinction, but not for ranking. If there is no improvement, there shall not be any change in the original marks already awarded. The fee for such appearances will be decided by the Governing Body from time to time. Students will not be allowed to improve marks in the Practical, Project, Viva-voce and fieldwork.

17. MOOC

All the UG Students admitted from the academic year 2023-2024 shall have to complete one MOOC (SWAYAM /NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay) of a minimum of 4 weeks duration is mandatory during the programme as per the norms, to be eligible for obtaining the UG degree.

18. Self-Supportive Courses

The above Regulations shall apply to Students undergoing the respective self-supportive courses also.

19. Rank Holders

The student who secures the highest marks in aggregate of all the subjects in the first attempt of the autonomous examinations will be the Rank Holder. This applies to all UG/PG Degree Programmes of our College. The Rank Holder will be awarded a certificate and prize.

20. Transitory Provision

Students who have joined the programme from the academic year 2024-25 will be permitted to appear for the examinations under this Regulation for a maximum period of **SIX** years. Thereafter, they will be permitted to appear for the examinations only under the new Regulations in force. The equivalent paper to be written will be decided by the Chairman of the respective Board

of Studies. Such candidates have to reregister for the programme. The fee for such re-registration will be decided by the Governing Body from time to time.

21. INTERNSHIP/INDUSTRIAL TRAINING

Objectives:

1. To improve the employability of students pursuing Undergraduate Degree Programme.
2. To focus on outcome-based learning in degree Programmes.
3. To promote active linkage between the higher education system and industry, non-commercial and commercial enterprises/ organisations.

General Provisions:

1. Any UG degree program in all disciplines as specified by the UGC under section 22 (3) of the UGC Act, 1956 is eligible to embed apprenticeship/ internship to the degree program.
2. An Internship/Industrial embedded degree program shall be treated at par with the UG degree Programmes specified by the UGC under section 22 (3) of the UGC Act, 1956.

Duration:

1. The Internship/Industrial Training during the second-year vacation will help the students gain valuable work experience, that connects classroom knowledge to real-world experience and to narrow down and focus on the career path.
2. The period of Internship/Industrial Training shall be of 30 hours duration apart from the regular teaching hours.
3. Students may commence their Internship/Industrial training from the II Semester holidays onwards.
4. The spells of Internship/Industrial Training shall be scheduled either continuously or at intervals depending upon the requirement and practicality of the discipline concerned.

Credit Mechanism:

1. Credits for the Internship/Industrial Training programme shall be included in the total credits of the entire programme.

2. Two Credits for the degree programme should be assigned to apprenticeship/internship.

| Programme | Duration | Credit | Total Marks | |
|---------------------------------------|---|--------|-------------|----------------|
| Internship/Industrial Training Report | 30 hours (Beyond Regular Teaching hours) | 4 | Viva | Project Report |
| | | | 25 | 75 |

Evaluation of the Internship/Industrial Training Report

The Internship/Industrial Training reports for UG Degree Programme may be independent or group. In case of group reports, a maximum of five Students in a group. The Title Page, Certificate by student, and certificate of Internship undertaken shall be in the format as prescribe by the Examination Cell.

The Internship / Industrial Training report should be countersigned by the Head of the Department and Principal and submitted to the Examination Cell. The external examiner is to be drawn from related faculty from affiliating University Departments / any affiliated college within the affiliating University jurisdiction.

22. Submission of Project Reports

Project with viva-voce component in the fifth semester enables the student, application of conceptual knowledge to practical situations. The state of art technologies in conducting an experiment scientifically and systematically and arriving at a precise solution is ensured. Such innovative provisions of project will give students an edge over their counterparts in the job market.

The projects for the UG degree programme may be independent or a group. In the case of group projects, a maximum of FIVE students are in a group. The format for the title page, certificate by the project advisor, declaration by the candidate(s) shall be in the format as prescribed by the Examination Cell. The project reports duly countersigned by the Head of the Department concerned and the Principal should be submitted to the office of the Controller of Examination within the specified date.

Regarding the evaluation of the Internship/Industrial training project report and project with a viva-voce examination in the fifth semester, the total mark is 100. It is divided into 75 marks for project evaluation and 25 marks for the viva-voce examination. The marks for project work evaluation and viva-voce are to be awarded jointly by the internal examiner and the external examiner.

The external examiner is to be drawn from other related faculty from within the college / affiliating University Departments / any affiliated college within our University jurisdiction.

**QUESTION PAPER PATTERN FOR UG DEGREE
PROGRAMMES - 3 HOURS DURATION**

| | | |
|--|--|-------------------|
| Part A | To answer All the 10 MCQs (Two questions from each UNIT) | 10 x 1 = 10 Marks |
| Part B | To answer All the 5 questions (One question from each UNIT) | 5 x 2 = 10 Marks |
| Part C | To answer All the 5 questions (either or type) (One question from each UNIT) | 5 x 5 = 25 Marks |
| Part D | To answer 3 questions (out of 5 questions) (One question from each UNIT) | 3 x10 = 30 Marks |
| TOTAL | | 75 Marks |
| (Equal Weightage should be given to each unit) | | |

Question paper Pattern for Courses, for which Online Examination is conducted:

50 MCQs (Answer All Questions) x 1.5 marks each = Total 75 Marks

Duration of the Exam = Two (2) Hours

ISLAMIAH COLLEGE (AUTONOMOUS)
COURSE STRUCTURE FOR UG PROGRAMMES
(CBCS PATTERN)
(For Students admitted from the academic year 2023 – 2024)

PROGRAMME OUTCOMES (POs) FOR B.A. ENGLISH

BY THE END OF THE PROGRAM, THE STUDENTS WILL BE ABLE TO

PO1: Disciplinary Knowledge: Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of an undergraduate programme of study.

PO2: Critical Thinking: Capability to apply analytic thought to a body of knowledge; analyze and evaluate evidence, arguments, claims, and beliefs based on empirical evidence; identify relevant assumptions or implications; formulate coherent arguments; critically evaluate practices, policies and theories by following a scientific approach to knowledge development.

PO3: Problem-Solving: Capacity to extrapolate from what one has learned and apply competencies to solve different kinds of non-familiar problems, rather than replicate curriculum content knowledge; and apply one's earnings to real-life situations.

PO4: Analytical Reasoning: Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with evidence and examples and address opposing viewpoints.

PO5: Scientific Reasoning: Ability to analyze, interpret and draw conclusions from quantitative/qualitative data; and critically evaluate ideas, evidence, and experiences from an open-minded and reasoned perspective.

PO6: Self-directed & Lifelong Learning: Ability to work independently, identify and manage a project. Ability to acquire knowledge and skills, including "learning how to learn", through self-paced and self-directed learning aimed at personal development, meeting economic, social and cultural objectives.

PO7: Reflective Thing: Critical sensibility to lived experiences, with self-awareness and reflexivity of both self and society

PO8: Reading & Projects: Document their reading and interpretive practices in assignments, translation works, and independent projects.

PO9: Confidence & Effectiveness: Confidently and effectively articulate their literary and textual experiences.

PO10: Social Skills & Empathetic Approach: Reorganize a professional and reflective approach to leadership, responsibility, personal integrity and self-regulation.

PROGRAMME SPECIFIC OUTCOMES:

PSO1: Acquire good knowledge and understanding, to solve specific theoretical & applied problems in different areas of English Language and Literature.

PSO2: Understand, formulate, and develop mathematical arguments, logically and use quantitative models to address issues arising in social sciences, business and other contexts/fields.

PSO3: To prepare the students who will demonstrate respectful engagement with others' ideas, behaviours, and beliefs and apply diverse frames of reference to decisions and actions. To create effective entrepreneurs by enhancing their critical thinking, problem-solving, decision making and leadership skill that will facilitate startups and high-potential organizations.

PSO4: Developing a research framework and presenting their independent ideas effectively.

PSO5: Equipping their employability skills to excel in professions like teaching and exposing them to various activities to empower them through communication skills.

PSO6: Enabling a holistic perspective towards the socio-political inequalities and environmental issues

| (PSOs) | Programme Outcomes (POs) | | | | | | | | | |
|---|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| PSO1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PSO2 | ✓ | - | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PSO3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - |
| PSO4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PSO5 | ✓ | ✓ | ✓ | ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ |
| PSO6 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Number of Matches = 57 , Correlation: Very High | | | | | | | | | | |

MAPPING CORRELATION BENCHMARK

| Mapping | 1-30% | 31-60% | 61-70% | 71-100% |
|-------------|-------|----------|--------|-----------|
| Matches | 1-24 | 25-50 | 51-56 | 57-80 |
| Correlation | Poor | Moderate | High | Very High |

| COURSE STRUCTURE FOR B.A. ENGLISH (For Students admitted from the academic year 2023-2024) | | | | | | | | | |
|---|--|-------------|--|------------|-----------|----------|------------|------------|------------|
| Part | Category | Course Code | Course Title | Hrs./ Week | Credit | Exam | CIA | ESE | TOTAL |
| SEMESTER I | | | | | | | | | |
| I | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL11 | Tamil I | 6 | 3 | 3 | 25 | 75 | 100 |
| | | UCURTL11 | Urdu I | | | | | | |
| | | UCARTL11 | Arabic I | | | | | | |
| | | UCHDTL11 | Hindi I | | | | | | |
| II | English | UCENTL11 | English I | 4 | 3 | 3 | 25 | 75 | 100 |
| III | Core Course 1 | UCENTC11 | Introduction to Literature | 5 | 4 | 3 | 25 | 75 | 100 |
| | Core Course 2 | UCENTC12 | Indian Writing in English | 5 | 4 | 3 | 25 | 75 | 100 |
| | Elective 1 | UCENTA11 | Allied - Social History of England | 4 | 3 | 3 | 25 | 75 | 100 |
| IV | Skill Enhancement Course SEC1 | UCENTS11 | Allied - Leadership Skills | 2 | 2 | 3 | 25 | 75 | 100 |
| | Foundation Course | UCENTF11 | Bridge Course | 2 | 2 | 3 | 25 | 75 | 100 |
| | Ability Enhancement Course AEC1 | UCSSTM11 | Soft Skill - I | 2 | 2 | 3 | 25 | 75 | 100 |
| TOTAL | | | | 30 | 23 | - | 200 | 600 | 800 |
| SEMESTER II | | | | | | | | | |
| I | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL21 | Tamil II | 6 | 3 | 3 | 25 | 75 | 100 |
| | | UCURTL21 | Urdu II | | | | | | |
| | | UCARTL21 | Arabic II | | | | | | |
| | | UCHDTL21 | Hindi II | | | | | | |
| II | English | UCENTL21 | English II | 4 | 3 | 3 | 25 | 75 | 100 |
| III | Core Course 3 | UCENTC21 | British Literature I | 5 | 4 | 3 | 25 | 75 | 100 |
| | Core Course 4 | UCENTC22 | American Literature I | 5 | 4 | 3 | 25 | 75 | 100 |
| | Elective 2 | UCENTA21 | Allied - History of English Literature | 4 | 3 | 3 | 25 | 75 | 100 |
| IV | Skill Enhancement Course SEC 2 | UCENTS21 | Allied - Business English | 2 | 2 | 3 | 25 | 75 | 100 |
| | Skill Enhancement Course SEC 3 | UCENTS22 | Technical Writing | 2 | 2 | 3 | 25 | 75 | 100 |
| | Ability Enhancement Course AEC2 | UCSSTM21 | Soft Skill - II | 2 | 2 | 3 | 25 | 75 | 100 |
| TOTAL | | | | 30 | 23 | - | 200 | 600 | 800 |
| SEMESTER III | | | | | | | | | |
| I | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL31 | Tamil III | 6 | 3 | 3 | 25 | 75 | 100 |
| | | UCURTL31 | Urdu III | | | | | | |
| | | UCARTL31 | Arabic III | | | | | | |
| | | UCHDTL31 | Hindi III | | | | | | |
| II | English | UCENTL31 | English III | 4 | 3 | 3 | 25 | 75 | 100 |
| III | Core Course 5 | UCENTC31 | British Literature-II | 4 | 4 | 3 | 25 | 75 | 100 |
| | Core Course 6 | UCENTC32 | American Literature I | 4 | 4 | 3 | 25 | 75 | 100 |
| | Elective 3 | UCENTA31 | Allied - Literary Genres and Terms | 5 | 4 | 3 | 25 | 75 | 100 |
| IV | Skill Enhancement Course SEC 4 | UCENTS31 | Entrepreneurial Skill | 2 | 1 | 3 | 25 | 75 | 100 |
| | Skill Enhancement Course SEC 5 [Online Exam] | UCENOS32 | Employability Skills | 2 | 1 | 2 | 25 | 75 | 100 |

| | | | | | | | | | |
|--|---------------------------------|----------|-----------------------|-----------|-----------|----------|------------|------------|------------|
| | EVS | | Environmental Studies | 1 | - | - | - | - | - |
| | Ability Enhancement Course AEC3 | UCSSTM31 | Soft Skill - III | 2 | 2 | 3 | 25 | 75 | 100 |
| | | | TOTAL | 30 | 22 | - | 200 | 600 | 800 |

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| SEMESTER IV |                                                         |          |                                                |           |           |          |            |            |            |
|-------------|---------------------------------------------------------|----------|------------------------------------------------|-----------|-----------|----------|------------|------------|------------|
| I           | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL41 | Tamil IV                                       | 6         | 3         | 3        | 25         | 75         | 100        |
|             |                                                         | UCURTL41 | Urdu IV                                        |           |           |          |            |            |            |
|             |                                                         | UCARTL41 | Arabic IV                                      |           |           |          |            |            |            |
|             |                                                         | UCHDTL41 | Hindi IV                                       |           |           |          |            |            |            |
| II          | English                                                 | UCENTL41 | English IV                                     | 4         | 3         | 3        | 25         | 75         | 100        |
| III         | Core Course 7                                           | UCENTC41 | World Literature in Translation                | 5         | 4         | 3        | 25         | 75         | 100        |
|             | Core Course 8                                           | UCENTC42 | Aspect of Language And Linguistics             | 5         | 4         | 3        | 25         | 75         | 100        |
|             | Elective 4                                              | UCENTA41 | Allied - The History of English Language       | 3         | 3         | 3        | 25         | 75         | 100        |
| IV          | Skill Enhancement Course SEC 6                          | UCENTS41 | English for Competitive Examination            | 2         | 2         | 3        | 25         | 75         | 100        |
|             | Skill Enhancement Course SEC 7                          | UCENTS42 | Computer Literacy                              | 2         | 2         | 3        | 25         | 75         | 100        |
|             | EVS [Online Exam]                                       | UCESOM41 | Environmental Studies                          | 1         | 2         | 2        | 25         | 75         | 100        |
|             | Ability Enhancement Course AEC4                         | UCSSTM41 | Soft Skill - IV                                | 2         | 2         | 3        | 25         | 75         | 100        |
|             |                                                         |          | <b>TOTAL</b>                                   | <b>30</b> | <b>25</b> | <b>-</b> | <b>225</b> | <b>675</b> | <b>900</b> |
| SEMESTER V  |                                                         |          |                                                |           |           |          |            |            |            |
| III         | Core Course 9                                           | UCENTC51 | Authors in Focus                               | 5         | 4         | 3        | 25         | 75         | 100        |
|             | Core Course 10                                          | UCENTC52 | Women's Writing                                | 5         | 4         | 3        | 25         | 75         | 100        |
|             | Core Course 11                                          | UCENTC53 | Indian Writing Translation                     | 4         | 4         | 3        | 25         | 75         | 100        |
|             | Core Course 12                                          | UCENJC54 | Project With Viva Voce                         | 4         | 4         | 3        | 25         | 75         | 100        |
|             | Discipline Specific Elective 1                          | UCENTE51 | The Great Women Writer in the World Literature | 4         | 3         | 3        | 25         | 75         | 100        |
|             | Discipline Specific Elective 2                          | UCENTE52 | Literary Movements in English                  | 4         | 3         | 3        | 25         | 75         | 100        |
| IV          | VED [Online Exam]                                       | UCVEOM51 | Value Education                                | 2         | 2         | 2        | 25         | 75         | 100        |
|             | Summer Internship/Industrial Training                   | UCENIM51 | Internship/Industrial Training                 | 2         | 2         | 3        | 25         | 75         | 100        |
|             |                                                         |          | <b>TOTAL</b>                                   | <b>30</b> | <b>26</b> | <b>-</b> | <b>200</b> | <b>600</b> | <b>800</b> |

| SEMESTER VI                                                                                                                              |                                       |          |                                               |            |            |          |             |             |             |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------|-----------------------------------------------|------------|------------|----------|-------------|-------------|-------------|
| III                                                                                                                                      | Core Course 13                        | UCENTC61 | Introduction to Literary Theory and Criticism | 6          | 5          | 3        | 25          | 75          | 100         |
|                                                                                                                                          | Core Course 14                        | UCENTC62 | Journalism and Mass Communication             | 6          | 5          | 3        | 25          | 75          | 100         |
|                                                                                                                                          | Core Course 15                        | UCENTC63 | Creative Writing                              | 6          | 3          | 3        | 25          | 75          | 100         |
|                                                                                                                                          | Discipline Specific Elective 3        | UCENTE61 | New Criticism in Contemporary Literature      | 5          | 3          | 3        | 25          | 75          | 100         |
|                                                                                                                                          | Discipline Specific Elective 4        | UCENTE62 | Interpreting Drama                            | 5          | 2          | 3        | 25          | 75          | 100         |
| IV                                                                                                                                       | Professional Competency [Online Exam] | UCENOP61 | General Studies for Competitive Examinations  | 2          | 2          | 2        | 25          | 75          | 100         |
| V                                                                                                                                        | Extension Activity                    | UCEXAM61 | Extension Activity                            | -          | 1          | -        | 25          | 75          | 100         |
| SWAYAM /NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC [Mandatory Online Course to be eligible for obtaining the UG degree.] |                                       |          |                                               |            |            |          |             |             |             |
|                                                                                                                                          |                                       |          | <b>TOTAL</b>                                  | <b>30</b>  | <b>21</b>  | <b>-</b> | <b>175</b>  | <b>525</b>  | <b>700</b>  |
|                                                                                                                                          |                                       |          | <b>Grand Total</b>                            | <b>180</b> | <b>140</b> | <b>-</b> | <b>1200</b> | <b>3600</b> | <b>4800</b> |

### PROGRAMME OUTCOMES FOR B.A. HISTORY

#### PROGRAMME OUTCOMES:

**PO1: Theoretical Knowledge of History:** Ability to understand different theories of History and application of History to society. To develop an adequate competency in the different Historical approaches.

**PO2: Analytical Reasoning and Critical Thinking:** Critically Analyze and assess how economists examine the real world to understand current events and evaluate specific proposals.

**PO3: Logical Reasoning and Quantitative Ability:** Ability to understand how to collect and analyze data and use empirical evidence to evaluate the validity of a hypothesis, using Quantitative Methodology and conducting data analysis to interpret results.

**PO4: Communication and Research Skills:** Communication and Research-related skills. Developing a sense of capability for relevant/appropriate inquiry and asking questions, synthesizing and articulating and reporting results and efficiently communicating thoughts and ideas clearly and concisely.

**PO5: Gender, Environment and Sustainability:** Comprehend the Environmental issues and Sustainable Development and strive to achieve economic and social equity for women and be Gender Sensitive.

**PO6: Employability and Leadership Skills:** Become empowered individuals to be employed in various positions in industry, academia and research and have the potential to become Entrepreneurs and take leadership roles in their chosen occupations and communities.

**PO7: Social Interaction:** Acquire the ability to engage in relevant conversations and have the ability to understand the views of society that would help initiate policy making.

**PO8: Digital Literacy and Lifelong Learning:** Capability to use ICT tools in a variety of learning situations and use appropriate software for analysis of data - Ability to acquire Knowledge situations and skills for life through self-directed learning and adapt to different learning environments.

**PROGRAMME SPECIFIC OUTCOMES:**

**PSO1:** To enable students to apply different Historical theories in real-life situations and decision-making circumstances.

**PSO 2:** To sensitize students to various world issues related to Development, Growth, International Economics, Sustainable Development and Environment.

**PSO 3:** To familiarize students with the concepts and theories related to good governance, Modern Administrations and the construction of an ideal society.

**PSO 4:** Evaluate various social and economic problems in society and develop answers to the problems as global citizens.

**PSO 5:** Enhance skills of analytical and critical thinking to analyze the effectiveness of policies of the government.

**MAPPING OF PROGRAMME-SPECIFIC OUTCOMES WITH PROGRAMME OUTCOMES****Programme Outcomes (POs)**

| Programme Specific Outcomes (PSOs) | PO 1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 |
|------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|
| PSO 1                              | 3    | 3   | 3   | 2   | 3   | 2   | 2   | 2   |
| PSO 2                              | 3    | 3   | 3   | 2   | 3   | 2   | 2   | 2   |
| PSO3                               | 3    | 3   | 3   | 2   | 2   | 3   | 3   | 2   |
| PSO 4                              | 3    | 3   | 2   | 3   | 3   | 3   | 3   | 3   |
| PSO 5                              | 3    | 3   | 2   | 3   | 3   | 3   | 3   | 3   |

(3 – Strong) (2 – Medium) (1 – Low)

**COURSE STRUCTURE FOR B.A. HISTORY**

(For Students admitted from the academic year 2023-2024)

| Part              | Category                                                | Course Code | Course Title                              | Hrs./Week | Credit    | Exam. Hrs. | CIA        | ESE        | TOTAL      |
|-------------------|---------------------------------------------------------|-------------|-------------------------------------------|-----------|-----------|------------|------------|------------|------------|
| <b>SEMESTER I</b> |                                                         |             |                                           |           |           |            |            |            |            |
| I                 | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL11    | Tamil I                                   | 6         | 3         | 3          | 25         | 75         | 100        |
|                   |                                                         | UCURLT11    | Urdu I                                    |           |           |            |            |            |            |
|                   |                                                         | UCARTL11    | Arabic I                                  |           |           |            |            |            |            |
|                   |                                                         | UCHDTL11    | Hindi I                                   |           |           |            |            |            |            |
| II                | English                                                 | UCENTL11    | English I                                 | 4         | 3         | 3          | 25         | 75         | 100        |
| III               | Core Course 1                                           | UCHITC11    | History of Ancient India up to 1206 CE    | 5         | 4         | 3          | 25         | 75         | 100        |
|                   | Core Course 2                                           | UCHITC12    | History of Tamil Nadu up to 1311 CE       | 5         | 4         | 3          | 25         | 75         | 100        |
|                   | Elective 1                                              | UCHITA11    | Allied: Studies on States and Governments | 4         | 3         | 3          | 25         | 75         | 100        |
| I<br>V            | Skill Enhancement Course SEC 1                          | UCHITS11    | Introduction to Tourism                   | 2         | 2         | 3          | 25         | 75         | 100        |
|                   | Foundation Course                                       | UCHITF11    | Introduction to History                   | 2         | 2         | 3          | 25         | 75         | 100        |
|                   | Ability Enhancement Course AEC1                         | UCSSTM11    | Soft Skill I                              | 2         | 2         | 3          | 25         | 75         | 100        |
|                   |                                                         |             | <b>TOTAL</b>                              | <b>30</b> | <b>23</b> | <b>-</b>   | <b>200</b> | <b>600</b> | <b>800</b> |

| SEMESTER II  |                                                         |          |                                          |    |    |   |     |     |     |
|--------------|---------------------------------------------------------|----------|------------------------------------------|----|----|---|-----|-----|-----|
| I            | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL21 | Tamil II                                 | 6  | 3  | 3 | 25  | 75  | 100 |
|              |                                                         | UCURTL21 | Urdu II                                  |    |    |   |     |     |     |
|              |                                                         | UCARTL21 | Arabic II                                |    |    |   |     |     |     |
|              |                                                         | UCHDTL21 | Hindi II                                 |    |    |   |     |     |     |
| II           | English                                                 | UCENTL21 | English II                               | 4  | 3  | 3 | 25  | 75  | 100 |
| III          | Core Course 3                                           | UCHITC21 | History of Medieval India – 1206-1707 CE | 5  | 4  | 3 | 25  | 75  | 100 |
|              | Core Course 4                                           | UCHITC22 | History of Tamil Nadu – 1311 – 1800 CE   | 5  | 4  | 3 | 25  | 75  | 100 |
|              | Elective 2                                              | UCHITA21 | Allied: Western Political Thought        | 4  | 3  | 3 | 25  | 75  | 100 |
| IV           | Skill Enhancement Course SEC 2                          | UCHITS21 | Indian Constitution                      | 2  | 2  | 3 | 25  | 75  | 100 |
|              | Skill Enhancement Course SEC 3                          | UCHITS22 | Basic Journalism                         | 2  | 2  | 3 | 25  | 75  | 100 |
|              | Ability Enhancement Course AEC2                         | UCSSTM21 | Soft Skill II                            | 2  | 2  | 3 | 25  | 75  | 100 |
|              |                                                         |          | TOTAL                                    | 30 | 23 | - | 200 | 600 | 800 |
| SEMESTER III |                                                         |          |                                          |    |    |   |     |     |     |
| I            | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL31 | Tamil III                                | 6  | 3  | 3 | 25  | 75  | 100 |
|              |                                                         | UCURTL31 | Urdu III                                 |    |    |   |     |     |     |
|              |                                                         | UCARTL31 | Arabic III                               |    |    |   |     |     |     |
|              |                                                         | UCHDTL31 | Hindi III                                |    |    |   |     |     |     |
| II           | English                                                 | UCENTL31 | English III                              | 4  | 3  | 3 | 25  | 75  | 100 |
| III          | Core Course 5                                           | UCHITC31 | History of India - 1707-1857 CE          | 5  | 4  | 3 | 25  | 75  | 100 |
|              | Core Course 6                                           | UCHITC32 | History of Tamil Nadu since 1801 CE      | 4  | 4  | 3 | 25  | 75  | 100 |
|              | Elective 3                                              | UCHITA31 | Allied: Indian Political Thought         | 4  | 4  | 3 | 25  | 75  | 100 |
| IV           | Skill Enhancement Course SEC 4                          | UCHITS31 | Entrepreneurship Development             | 2  | 1  | 3 | 25  | 75  | 100 |
|              | Skill Enhancement Course SEC 5 [Online Exam]            | UCHIOS32 | Introduction to Management               | 2  | 1  | 2 | 25  | 75  | 100 |
|              | EVS                                                     |          | Environmental Studies                    | 1  | -  | - | -   | -   | -   |
|              | Ability Enhancement Course AEC3                         | UCSSTM31 | Soft Skill III                           | 2  | 2  | 3 | 25  | 75  | 100 |
|              |                                                         |          | TOTAL                                    | 30 | 22 | - | 200 | 600 | 800 |

| SEMESTER IV |                                                                     |                         |                                                                            |    |    |   |     |     |     |
|-------------|---------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------|----|----|---|-----|-----|-----|
| I           | Generic Elective<br>Tamil/<br>Language<br>(To choose 1 out of<br>4) | UCTATL41                | Tamil IV                                                                   | 6  | 3  | 3 | 25  | 75  | 100 |
|             |                                                                     | UCURTL41                | Urdu IV                                                                    |    |    |   |     |     |     |
|             |                                                                     | UCARTL41                | Arabic IV                                                                  |    |    |   |     |     |     |
|             |                                                                     | UCHDTL41                | Hindi IV                                                                   |    |    |   |     |     |     |
| II          | English                                                             | UCENTL41                | English IV                                                                 | 4  | 3  | 3 | 25  | 75  | 100 |
| III         | Core Course 7                                                       | UCHITC41                | Freedom Struggle<br>in India                                               | 4  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 8                                                       | UCHITC42                | History of Modern<br>Europe- 1789-1919<br>CE                               | 4  | 4  | 3 | 25  | 75  | 100 |
|             | Elective 4                                                          | UCHITA41                | Allied: Modern<br>Governments                                              | 3  | 3  | 3 | 25  | 75  | 100 |
| IV          | Skill Enhancement<br>Course SEC 6                                   | UCHITS41                | Computer Training                                                          | 4  | 2  | 3 | 25  | 75  | 100 |
|             | Skill Enhancement<br>Course SEC 7                                   | UCHITS42                | Tourism and Hotel<br>Management                                            | 2  | 2  | 3 | 25  | 75  | 100 |
|             | EVS [Online Exam]                                                   | UCESOM41                | Environmental<br>Studies                                                   | 1  | 2  | 2 | 25  | 75  | 100 |
|             | Ability<br>Enhancement<br>Course AEC4                               | UCSSTM41                | Soft Skill IV                                                              | 2  | 2  | 3 | 25  | 75  | 100 |
|             |                                                                     |                         | TOTAL                                                                      | 30 | 25 | - | 225 | 675 | 900 |
| SEMESTER V  |                                                                     |                         |                                                                            |    |    |   |     |     |     |
| III         | Core Course 9                                                       | UCHITC51                | History of the<br>World 1919-2020<br>CE                                    | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 10                                                      | UCHITC52                | Selected Themes in<br>History of U.S.A                                     | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 11                                                      | UCHITC53                | Regional History<br>(History of<br>Chennai)                                | 4  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 12                                                      | UCHIJC54                | Project with Viva<br>voce                                                  | 4  | 4  | 3 | 25  | 75  | 100 |
|             | Discipline Specific<br>Elective 1                                   | UCHITE51/<br>UCHITE52   | Elements of Human<br>Rights/ History of<br>the Arabs from CE<br>500 to 750 | 4  | 3  | 3 | 25  | 75  | 100 |
|             | Discipline Specific<br>Elective 2                                   | UCHITE53/<br>UCHITJCE54 | History of<br>Dravidian<br>Movement/History<br>of Revolutions              | 4  | 3  | 3 | 25  | 75  | 100 |
| IV          | VED [Online<br>Exam]                                                | UCVEOM51                | Value Education                                                            | 2  | 2  | 2 | 25  | 75  | 100 |
|             | Summer<br>Internship/Industr<br>ial Training                        | UCHIIM51                | Internship/<br>Industrial Training                                         | 2  | 2  | 3 | 25  | 75  | 100 |
|             |                                                                     |                         | TOTAL                                                                      | 30 | 26 | - | 200 | 600 | 800 |

| SEMESTER VI                                                                                                                              |                                       |                       |                                                                                 |     |     |   |      |      |      |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------|---------------------------------------------------------------------------------|-----|-----|---|------|------|------|
| III                                                                                                                                      | Core Course 13                        | UCHITC61              | Contemporary History of India                                                   | 6   | 5   | 3 | 25   | 75   | 100  |
|                                                                                                                                          | Core Course 14                        | UCHITC62              | India and Her Neighbours                                                        | 6   | 5   | 3 | 25   | 75   | 100  |
|                                                                                                                                          | Core Course 15                        | UCHITA63              | History of Science and Technology in India                                      | 6   | 3   | 3 | 25   | 75   | 100  |
|                                                                                                                                          | Discipline-Specific Elective 3        | UCHITE61/<br>UCHITE62 | International Relations since 1919/<br>History of the Arabs from CE 750 to 1258 | 5   | 3   | 3 | 25   | 75   | 100  |
|                                                                                                                                          | Discipline Specific Elective 4        | UCHITE63/<br>UCHITE64 | History of China and Japan/History of Pondicherry                               | 2   | 2   | 3 | 25   | 75   | 100  |
| IV                                                                                                                                       | Professional Competency [Online Exam] | UCHIOP61              | General Studies for Competitive Examinations                                    | 2   | 2   | 2 | 27   | 75   | 100  |
| V                                                                                                                                        | Extension Activity                    | UCEXAM6<br>1          | Extension Activity                                                              | -   | 1   | - | 25   | 75   | 100  |
| SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC[ Mandatory Online Course to be eligible for obtaining the UG degree] |                                       |                       |                                                                                 |     |     |   |      |      |      |
| TOTAL                                                                                                                                    |                                       |                       |                                                                                 | 30  | 21  | - | 175  | 525  | 700  |
| Grand Total                                                                                                                              |                                       |                       |                                                                                 | 180 | 140 | - | 1200 | 3600 | 4800 |

**PROGRAMME OUTCOMES FOR BACHELOR OF BUSINESS ADMINISTRATION,  
B.Com. GENERAL, B.Com. COMPUTER APPLICATION AND B.Com. FINANCE & ACCOUNTS**

**PROGRAMME OUTCOMES:**

PO1: Disciplinary knowledge: Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of Commerce and Management.

PO2: Communication Skills: Ability to express thoughts and ideas effectively in writing and orally; Communicate with others using appropriate media; confidently share one's views and express herself/himself; demonstrate the ability to listen carefully, read and write analytically, and present complex information clearly and concisely to different groups.

PO3: Critical thinking: Capability to apply analytic thought to a body of knowledge; analyse and evaluate evidence, arguments, claims, and beliefs based on empirical evidence; identify relevant assumptions or implications; formulate coherent arguments; critically evaluate practices, policies and theories by following a scientific approach to knowledge development.

PO4: Problem-solving: Capacity to extrapolate from what one has learned and apply competencies to solve different kinds of non-familiar problems, rather than replicate curriculum content knowledge; and apply one's learning to real-life situations.

PO5: Analytical reasoning: Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with evidence and examples, and address opposing viewpoints.

PO6: Research-related skills: A sense of inquiry and capability for asking relevant/appropriate questions, problem arising, synthesising and articulating; Ability to recognise cause-and-effect relationships, define problems, formulate hypotheses, test hypotheses, analyse, interpret and draw conclusions

from data, establish hypotheses, predict cause-and-effect relationships; ability to plan, execute and report the results of an experiment or investigation

PO7: Cooperation/Teamwork: Ability to work effectively and respectfully with diverse teams; facilitate cooperative or coordinated effort on the part of a group, and act together as a group or a team in the interests of a common cause and work efficiently as a member of a team

PO8: Scientific reasoning: Ability to analyse, interpret and draw conclusions from quantitative/qualitative data; and critically evaluate ideas, evidence and experiences from an open-minded and reasoned perspective.

PO9: Reflective thinking: Critical sensibility to lived experiences, with self-awareness and reflexivity of both self and society.

PO10 Information/digital literacy: Capability to use ICT in a variety of learning situations, demonstrate ability to access, evaluate, and use a variety of relevant information sources; and use appropriate software for analysis of data.

PO11 Self-directed learning: Ability to work independently, identify appropriate resources required for a project, and manage a project through to completion.

PO12 Multicultural competence: Possess knowledge of the values and beliefs of multiple cultures and a global perspective; and capability to effectively engage in a multicultural society and interact respectfully with diverse groups.

PO13: Moral and ethical awareness/reasoning: Ability to embrace moral/ethical values in conducting one's life, formulate a position/argument about an ethical issue from multiple perspectives, and use ethical practices in all work. Capable of demonstrating the ability to identify ethical issues related to one's work, avoid unethical behaviour such as fabrication, falsification or misrepresentation of data or committing plagiarism, not adhering to intellectual property rights; appreciating environmental and sustainability issues; and adopting objective, unbiased and truthful actions in all aspects of work.

PO14: Leadership readiness/qualities: Capability for mapping out the tasks of a team or an organization, setting direction, formulating an inspiring vision, building a team who can help achieve the vision, motivating and inspiring team members to engage with that vision, and using management skills to guide people to the right destination, smoothly and efficiently.

PO15: Lifelong learning: Ability to acquire knowledge and skills, including "learning how to learn", that is necessary for participating in learning activities throughout life, through self-paced and self-directed learning aimed at personal development, meeting economic, social and cultural objectives, and adapting to changing trades and demands of the workplace through knowledge/skill development/reskilling.

#### PROGRAMME SPECIFIC OUTCOMES:

PSO1: Develop a strong foundation in management principles and theories, gaining comprehensive knowledge of various domains within the field of business administration.

PSO2: Cultivate effective communication skills, both written and oral, enabling students to articulate their thoughts and ideas clearly and persuasively in professional settings.

PSO3: Acquire advanced digital and managerial skills, empowering students to adapt to the rapidly evolving business landscape and excel in diverse managerial roles.



PSO4: Foster a deep understanding of ethical and moral values, enabling students to make principled decisions and uphold integrity in their personal and professional lives.

PSO5: Nurture critical thinking abilities, empowering students to analyze complex business challenges, devise innovative solutions, and address diverse perspectives effectively.

PSO6: Develop research-related skills, promoting an inquisitive mindset, and the ability to investigate business-related issues, gather relevant data, and draw meaningful conclusions.

PSO7: Cultivate cooperation and teamwork abilities, fostering effective collaboration in diverse teams to achieve common objectives.

PSO8: Enhance scientific reasoning, enabling students to analyze and interpret quantitative and qualitative data to support informed business decisions.

PSO9: Encourage reflective thinking, promoting self-awareness and sensitivity to societal impacts in the context of management practices.

PSO10: Instill information and digital literacy, equipping students with the capability to access, evaluate, and utilize information effectively in a technology-driven business environment.

PSO11: Develop self-directed learning skills, empowering students to take initiative, identify resources, and manage projects independently for continuous personal and professional growth.

PSO12: Cultivate multicultural competence, fostering an appreciation for diverse cultural values and perspectives, and the ability to engage respectfully in a globalized business environment.

PSO13: Foster moral and ethical awareness, promoting responsible and principled conduct in various business scenarios, and adhering to ethical practices and environmental sustainability.

PSO14: Cultivate leadership readiness and qualities, enabling students to map out tasks, formulate inspiring visions, build effective teams, and guide them towards successful outcomes.

PSO15: Instill a commitment to lifelong learning, equipping students with the ability to adapt to evolving demands and acquire new knowledge and skills throughout their professional journeys.

**BUSINESS ADMINISTRATION [BBA]**  
**PO – PSO MAPPING**

| Correlation Matrix | POs (Commerce & Management Programmes) |                          |                        |                      |                       |                     |               |                           |                          |                     |                     |                          |                    |                  |                         |
|--------------------|----------------------------------------|--------------------------|------------------------|----------------------|-----------------------|---------------------|---------------|---------------------------|--------------------------|---------------------|---------------------|--------------------------|--------------------|------------------|-------------------------|
| PSOs (BBA)         | PO 1 Discipline Knowledge              | PO 2 Communication Skill | PO 3 Critical Thinking | PO 4 Problem Solving | PO 5 Analytical Skill | PO 6 Research Skill | PO 7 Teamwork | PO 8 Scientific Reasoning | PO 9 Reflective Thinking | PO 10 Digital Skill | PO 11 Self Learning | PO 12 Diverse Competence | PO 13 Moral Values | PO 14 Leadership | PO 15 Lifelong Learning |
| PO1                | 3                                      | 1                        | 1                      | 1                    | 1                     | 3                   | 1             | 1                         | 1                        | 1                   | 2                   | 1                        | 1                  | 1                | 1                       |
| PO2                | 1                                      | 3                        | 1                      | 1                    | 1                     | 1                   | 2             | 1                         | 1                        | 1                   | 2                   | 2                        | 1                  | 3                | 2                       |
| PO3                | 1                                      | 1                        | 3                      | 1                    | 1                     | 1                   | 2             | 2                         | 1                        | 3                   | 2                   | 1                        | 1                  | 1                | 2                       |
| PO4                | 1                                      | 1                        | 1                      | 3                    | 1                     | 1                   | 2             | 1                         | 2                        | 1                   | 2                   | 1                        | 3                  | 1                | 2                       |
| PO5                | 1                                      | 1                        | 1                      | 1                    | 3                     | 1                   | 2             | 1                         | 3                        | 1                   | 1                   | 2                        | 1                  | 1                | 2                       |
| PO6                | 3                                      | 1                        | 1                      | 1                    | 1                     | 3                   | 2             | 1                         | 1                        | 1                   | 2                   | 1                        | 1                  | 1                | 2                       |
| PO7                | 1                                      | 2                        | 2                      | 2                    | 2                     | 2                   | 3             | 1                         | 2                        | 1                   | 3                   | 2                        | 1                  | 1                | 2                       |
| PO8                | 1                                      | 1                        | 2                      | 1                    | 2                     | 1                   | 1             | 3                         | 1                        | 3                   | 1                   | 1                        | 2                  | 1                | 2                       |
| PO9                | 1                                      | 1                        | 1                      | 2                    | 1                     | 1                   | 2             | 1                         | 3                        | 1                   | 2                   | 2                        | 1                  | 1                | 2                       |
| PO10               | 1                                      | 1                        | 3                      | 1                    | 1                     | 1                   | 1             | 3                         | 1                        | 3                   | 2                   | 1                        | 3                  | 1                | 2                       |
| PO11               | 2                                      | 2                        | 2                      | 2                    | 2                     | 2                   | 3             | 1                         | 2                        | 2                   | 3                   | 2                        | 1                  | 3                | 2                       |
| PO12               | 1                                      | 2                        | 2                      | 1                    | 1                     | 1                   | 2             | 1                         | 2                        | 1                   | 1                   | 3                        | 1                  | 1                | 2                       |
| PO13               | 1                                      | 1                        | 1                      | 3                    | 1                     | 1                   | 1             | 2                         | 2                        | 3                   | 1                   | 1                        | 3                  | 1                | 2                       |
| PO14               | 1                                      | 3                        | 1                      | 1                    | 1                     | 1                   | 1             | 1                         | 1                        | 1                   | 3                   | 1                        | 3                  | 3                | 2                       |
| PO15               | 2                                      | 2                        | 2                      | 2                    | 2                     | 2                   | 3             | 2                         | 2                        | 2                   | 3                   | 2                        | 1                  | 2                | 3                       |

**3 – Strong, 2- Medium, 1- Low**

Overall, there is a strong correlation between several Program Outcomes (POs) and their corresponding Program Specific Outcomes (PSOs). The program seems to be well-designed to align the general learning objectives (POs) with the specific outcomes tailored to the field of Commerce and Management (PSOs). Some POs have a medium correlation, indicating that they may contribute to multiple PSOs without a direct one-to-one relationship. The overall alignment between the POs and PSOs suggests that the program is likely to provide students with a comprehensive and well-rounded education in Business Administration.

| COURSE STRUCTURE FOR BUSINESS ADMINISTRATION [BBA]<br>(For Students admitted from the academic year 2023-2024) |                                                            |             |                                           |           |           |            |            |            |            |
|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------|-------------------------------------------|-----------|-----------|------------|------------|------------|------------|
| Part                                                                                                           | Category                                                   | Course Code | Course Title                              | Hrs./Week | Credit    | Exam. Hrs. | CIA        | ESE        | TOTAL      |
| Semester I                                                                                                     |                                                            |             |                                           |           |           |            |            |            |            |
| I                                                                                                              | Generic Elective Tamil/ Language<br>(To choose 1 out of 4) | UCTATL11    | Tamil I                                   | 6         | 3         | 3          | 25         | 75         | 100        |
|                                                                                                                |                                                            | UCURTL11    | Urdu I                                    |           |           |            |            |            |            |
|                                                                                                                |                                                            | UCARTL11    | Arabic I                                  |           |           |            |            |            |            |
|                                                                                                                |                                                            | UCHDTL11    | Hindi I                                   |           |           |            |            |            |            |
| II                                                                                                             | English                                                    | UCENTL11    | English I                                 | 4         | 3         | 3          | 25         | 75         | 100        |
| III                                                                                                            | Core Course 1                                              | UCBATC11    | Principles of Management                  | 5         | 4         | 3          | 25         | 75         | 100        |
|                                                                                                                | Core Course 2                                              | UCBATC12    | Accounting for Managers I                 | 5         | 4         | 3          | 25         | 75         | 100        |
|                                                                                                                | Elective 1                                                 | UCBATA11    | Allied: Managerial Economics              | 4         | 3         | 3          | 25         | 75         | 100        |
| IV                                                                                                             | Skill Enhancement Course SEC 1                             | UCBATS11    | Managerial Communication                  | 2         | 2         | 3          | 25         | 75         | 100        |
|                                                                                                                | Foundation Course                                          | UCBATF11    | Basics of Event Management                | 2         | 2         | 3          | 25         | 75         | 100        |
|                                                                                                                | Ability Enhancement Course AEC1                            | UCSSTM11    | Soft Skill I                              | 2         | 2         | 3          | 25         | 75         | 100        |
|                                                                                                                |                                                            |             | <b>TOTAL</b>                              | <b>30</b> | <b>23</b> | <b>-</b>   | <b>200</b> | <b>600</b> | <b>800</b> |
| Semester II                                                                                                    |                                                            |             |                                           |           |           |            |            |            |            |
| I                                                                                                              | Generic Elective Tamil/ Language<br>(To choose 1 out of 4) | UCTATL21    | Tamil II                                  | 6         | 3         | 3          | 25         | 75         | 100        |
|                                                                                                                |                                                            | UCURTL21    | Urdu II                                   |           |           |            |            |            |            |
|                                                                                                                |                                                            | UCARTL21    | Arabic II                                 |           |           |            |            |            |            |
|                                                                                                                |                                                            | UCHDTL21    | Hindi II                                  |           |           |            |            |            |            |
| II                                                                                                             | English                                                    | UCENTL21    | English II                                | 4         | 3         | 3          | 25         | 75         | 100        |
| III                                                                                                            | Core Course 3                                              | UCBATC21    | Marketing management                      | 5         | 4         | 3          | 25         | 75         | 100        |
|                                                                                                                | Core Course 4                                              | UCBATC22    | Accounting for Managers II                | 5         | 4         | 3          | 25         | 75         | 100        |
|                                                                                                                | Elective 2                                                 | UCBATA21    | Allied: International Business            | 4         | 3         | 3          | 25         | 75         | 100        |
| IV                                                                                                             | Skill Enhancement Course SEC 2                             | UCBATS21    | Managerial Skill Development              | 2         | 2         | 3          | 25         | 75         | 100        |
|                                                                                                                | Skill Enhancement Course SEC 3                             | UCBATS22    | Business Etiquette and Corporate Grooming | 2         | 2         | 2          | 25         | 75         | 100        |
|                                                                                                                | Ability Enhancement Course AEC2                            | UCSSTM21    | Soft Skill II                             | 2         | 2         | 3          | 25         | 75         | 100        |
|                                                                                                                |                                                            |             | <b>TOTAL</b>                              | <b>30</b> | <b>23</b> | <b>-</b>   | <b>200</b> | <b>600</b> | <b>800</b> |
| Semester III                                                                                                   |                                                            |             |                                           |           |           |            |            |            |            |
| I                                                                                                              | Generic Elective Tamil/ Language<br>(To choose 1 out of 4) | UCTATL31    | Tamil III                                 | 6         | 3         | 3          | 25         | 75         | 100        |
|                                                                                                                |                                                            | UCURTL31    | Urdu III                                  |           |           |            |            |            |            |
|                                                                                                                |                                                            | UCARTL31    | Arabic III                                |           |           |            |            |            |            |
|                                                                                                                |                                                            | UCHDTL31    | Hindi III                                 |           |           |            |            |            |            |

|     |                                 |          |                                   |    |    |   |     |     |     |
|-----|---------------------------------|----------|-----------------------------------|----|----|---|-----|-----|-----|
| II  | English                         | UCENTL31 | English III                       | 4  | 3  | 3 | 25  | 75  | 100 |
| III | Core Course 5                   | UCBATC31 | Organisational Behaviour          | 5  | 4  | 3 | 25  | 75  | 100 |
|     | Core Course 6                   | UCBATC32 | Financial Management              | 4  | 4  | 3 | 25  | 75  | 100 |
|     | Elective 3                      | UCBATA31 | Allied: Business Statistics       | 4  | 4  | 3 | 25  | 75  | 100 |
| IV  | Skill Enhancement Course SEC 4  | UCBATS31 | Computer Applications in Business | 2  | 1  | 3 | 25  | 75  | 100 |
|     | Skill Enhancement Course SEC 5  | UCBAPS32 | Tally – Basics Lab                | 2  | 1  | 2 | 25  | 75  | 100 |
|     | EVS                             |          | Environmental Studies             | 1  | -  | - | -   | -   | -   |
|     | Ability Enhancement Course AEC3 | UCSSTM31 | Soft Skill III                    | 2  | 2  | 3 | 25  | 75  | 100 |
|     |                                 |          | TOTAL                             | 30 | 22 | - | 200 | 600 | 800 |

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| Semester IV |                                                         |                                    |                                                           |    |    |   |     |     |     |
|-------------|---------------------------------------------------------|------------------------------------|-----------------------------------------------------------|----|----|---|-----|-----|-----|
| I           | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL41                           | Tamil IV                                                  | 6  | 3  | 3 | 25  | 75  | 100 |
|             |                                                         | UCURTL41                           | Urdu IV                                                   |    |    |   |     |     |     |
|             |                                                         | UCARTL41                           | Arabic IV                                                 |    |    |   |     |     |     |
|             |                                                         | UCHDTL41                           | Hindi IV                                                  |    |    |   |     |     |     |
| II          | English                                                 | UCENTL41                           | English IV                                                | 4  | 3  | 3 | 25  | 75  | 100 |
| III         | Core Course 7                                           | UCBATC41                           | Business Environment                                      | 4  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 8                                           | UCBATC42                           | Business Regulatory Frame Work                            | 4  | 4  | 3 | 25  | 75  | 100 |
|             | Elective 4                                              | UCBATA41                           | Allied: Operations Research                               | 3  | 3  | 3 | 25  | 75  | 100 |
| IV          | Skill Enhancement Course SEC 6                          | UCBAPS41                           | Tally – Advanced Lab                                      | 4  | 2  | 3 | 25  | 75  | 100 |
|             | Skill Enhancement Course SEC 7                          | UCBATS42                           | Intellectual Property Rights                              | 2  | 2  | 3 | 25  | 75  | 100 |
|             | EVS [Online Exam]                                       | UCESOM41                           | Environmental Studies                                     | 1  | 2  | 2 | 25  | 75  | 100 |
|             | Ability Enhancement Course AEC4                         | UCSSTM41                           | Soft Skill IV                                             | 2  | 2  | 3 | 25  | 75  | 100 |
|             |                                                         |                                    | TOTAL                                                     | 30 | 25 | - | 200 | 600 | 800 |
| Semester V  |                                                         |                                    |                                                           |    |    |   |     |     |     |
| III         | Core Course 9                                           | UCBATC51                           | Human Resource Management                                 | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 10                                          | UCBATC52                           | Research Methodology                                      | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 11                                          | UCBATC53                           | Business Taxation                                         | 4  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 12                                          | UCBATC54                           | Management Information System                             | 4  | 4  | 3 | 25  | 75  | 100 |
|             | Discipline Specific Elective 1                          | UCBATES1/<br>UCBATES2/<br>UCBATES3 | Digital Marketing/Industrial Relations/Financial Services | 4  | 3  | 3 | 25  | 75  | 100 |
|             | Discipline Specific Elective 2                          | UCBAJC55                           | Project with Viva voce                                    | 4  | 3  | 3 | 25  | 75  | 100 |

|                                                                                                                                                 |                                        |                                    |                                                                                   |            |            |          |             |             |             |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|-----------------------------------------------------------------------------------|------------|------------|----------|-------------|-------------|-------------|
| IV                                                                                                                                              | VED [Online Exam]                      | UCVEOM51                           | Value Education                                                                   | 2          | 2          | 2        | 25          | 75          | 100         |
|                                                                                                                                                 | Summer Internship/ Industrial Training | UCBAIM51                           | Internship/Industrial Training                                                    | 2          | 2          | 3        | 25          | 75          | 100         |
|                                                                                                                                                 |                                        |                                    | <b>TOTAL</b>                                                                      | <b>30</b>  | <b>26</b>  | <b>-</b> | <b>200</b>  | <b>600</b>  | <b>800</b>  |
| <b>Semester VI</b>                                                                                                                              |                                        |                                    |                                                                                   |            |            |          |             |             |             |
| III                                                                                                                                             | Core Course 13                         | UCBATC61                           | Entrepreneurial Development                                                       | 6          | 5          | 3        | 25          | 75          | 100         |
|                                                                                                                                                 | Core Course 14                         | UCBATC62                           | Services Marketing                                                                | 6          | 5          | 3        | 25          | 75          | 100         |
|                                                                                                                                                 | Core Course 15                         | UCBATC63                           | Production and Material Management                                                | 6          | 3          | 3        | 25          | 75          | 100         |
|                                                                                                                                                 | Discipline Specific Elective 3         | UCBATE61/<br>UCBATE62/<br>UCBATE63 | Consumer Behaviour/Innovation management/Security Analysis & Portfolio Management | 5          | 3          | 3        | 25          | 75          | 100         |
|                                                                                                                                                 | Discipline Specific Elective 4         | UCBATE64/<br>UCBAPE65              | Fundamentals of Logistics/ E-business/MS Office -Lab                              | 5          | 2          | 3        | 25          | 75          | 100         |
| IV                                                                                                                                              | Professional Competency [Online Exam]  | UCBAOC61                           | General Awareness for Competitive Examinations                                    | 2          | 2          | 2        | 25          | 75          | 100         |
| V                                                                                                                                               | Extension Activity                     | UCEXAM61                           | Extension Activity                                                                | -          | 1          | -        | 25          | 75          | 100         |
| <b>SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC [Mandatory Online Course to be eligible for obtaining the UG degree]</b> |                                        |                                    |                                                                                   |            |            |          |             |             |             |
|                                                                                                                                                 |                                        |                                    | <b>TOTAL</b>                                                                      | <b>30</b>  | <b>21</b>  | <b>-</b> | <b>175</b>  | <b>525</b>  | <b>700</b>  |
|                                                                                                                                                 |                                        |                                    | <b>Grand Total</b>                                                                | <b>180</b> | <b>140</b> | <b>-</b> | <b>1200</b> | <b>3600</b> | <b>4800</b> |

**B.Com. COMMERCE DEGREE PROGRAMME**  
**PROGRAMME SPECIFIC OUTCOMES:**

**PSO1 – Placement:** To prepare the students who will demonstrate respectful engagement with others' ideas, behaviours, and beliefs and apply diverse frames of reference to decisions and actions.

**PSO 2 - Entrepreneur:** To create effective entrepreneurs by enhancing their critical thinking, problem-solving, decision making and leadership skill that will facilitate startups and high-potential organizations

**PSO3 – Research and Development:** Design and implement HR systems and practices grounded in research that comply with employment laws, leading the organization towards growth and development.

**PSO4 – Contribution to Business World:** To produce employable, ethical and innovative professionals to sustain in the dynamic business world.

**PSO5 – Contribution to the Society:** To contribute to the development of society by collaborating with stakeholders for mutual benefit

**MAPPING OF PSOS WITH POS**

| PO      | PSO   |       |       |       |       |
|---------|-------|-------|-------|-------|-------|
|         | PSO 1 | PSO 2 | PSO 3 | PSO 4 | PSO 5 |
| PO 1    | 3     | 3     | 1     | 3     | 3     |
| PO 2    | 3     | 3     | 1     | 3     | 2     |
| PO 3    | 2     | 2     | 2     | 2     | 1     |
| PO 4    | 3     | 3     | 1     | 3     | 3     |
| PO 5    | 2     | 2     | 1     | 2     | 2     |
| PO 6    | 1     | 1     | 1     | 1     | 1     |
| PO 7    | 2     | 2     | 2     | 2     | 2     |
| PO 8    | 1     | 1     | 2     | 2     | 2     |
| PO 9    | 1     | 1     | 2     | 2     | 2     |
| PO 10   | 3     | 3     | 3     | 3     | 3     |
| PO 11   | 2     | 1     | 2     | 2     | 2     |
| PO 12   | 1     | 2     | 1     | 1     | 1     |
| PO 13   | 2     | 3     | 2     | 3     | 3     |
| PO 14   | 2     | 3     | 2     | 3     | 2     |
| PO 15   | 2     | 2     | 1     | 2     | 2     |
| Total   | 30    | 32    | 23    | 34    | 31    |
| Average | 2     | 2.13  | 1.92  | 2.27  | 2.07  |

| COURSE STRUCTURE FOR B.Com. COMMERCE<br>(For Students admitted from the academic year 2023-2024) |                                                         |                                    |                                                                                 |           |        |            |     |     |       |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------|---------------------------------------------------------------------------------|-----------|--------|------------|-----|-----|-------|
| Part                                                                                             | Category                                                | Course Code                        | Course Title                                                                    | Hrs./Week | Credit | Exam. Hrs. | CIA | ESE | TOTAL |
| SEMESTER I                                                                                       |                                                         |                                    |                                                                                 |           |        |            |     |     |       |
| I                                                                                                | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL11                           | Tamil I                                                                         | 6         | 3      | 3          | 25  | 75  | 100   |
|                                                                                                  |                                                         | UCURTL11                           | Urdu I                                                                          |           |        |            |     |     |       |
|                                                                                                  |                                                         | UCARTL11                           | Arabic I                                                                        |           |        |            |     |     |       |
|                                                                                                  |                                                         | UCHDTL11                           | Hindi I                                                                         |           |        |            |     |     |       |
| II                                                                                               | English                                                 | UCENTL11                           | English I                                                                       | 4         | 3      | 3          | 25  | 75  | 100   |
| III                                                                                              | Core Course 1                                           | UCCOTC11                           | Financial Accounting I                                                          | 5         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                  | Core Course 2                                           | UCCOTC12                           | Principles of Management                                                        | 5         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                  | Elective 1                                              | UCCOTA11/<br>UCCOTA12/<br>UCCOTA13 | Allied: Business Economics/Indian Economic Development/Business Organisation    | 4         | 3      | 3          | 25  | 75  | 100   |
| IV                                                                                               | Skill Enhancement Course SEC 1                          | UCCOTS11                           | E-Business                                                                      | 2         | 2      | 3          | 25  | 75  | 100   |
|                                                                                                  | Foundation Course                                       | UCCOTF11                           | Basics of Commerce                                                              | 2         | 2      | 3          | 25  | 75  | 100   |
|                                                                                                  | Ability Enhancement Course AEC1                         | UCSSTM11                           | Soft Skill I                                                                    | 2         | 2      | 3          | 25  | 75  | 100   |
|                                                                                                  |                                                         |                                    | TOTAL                                                                           | 30        | 23     | -          | 200 | 600 | 800   |
| SEMESTER II                                                                                      |                                                         |                                    |                                                                                 |           |        |            |     |     |       |
| I                                                                                                | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL21                           | Tamil II                                                                        | 6         | 3      | 3          | 25  | 75  | 100   |
|                                                                                                  |                                                         | UCURTL21                           | Urdu II                                                                         |           |        |            |     |     |       |
|                                                                                                  |                                                         | UCARTL21                           | Arabic II                                                                       |           |        |            |     |     |       |
|                                                                                                  |                                                         | UCHDTL21                           | Hindi II                                                                        |           |        |            |     |     |       |
| II                                                                                               | English                                                 | UCTENL21                           | English II                                                                      | 4         | 3      | 3          | 25  | 75  | 100   |
| III                                                                                              | Core Course 3                                           | UCCOTC21                           | Financial Accounting II                                                         | 5         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                  | Core Course 4                                           | UCCOTC22                           | Business Law                                                                    | 5         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                  | Elective 2                                              | UCCOTA21/<br>UCCOTA22/<br>UCCOTA23 | Allied: Business Environment/ Insurance and Risk Management/International Trade | 4         | 3      | 3          | 25  | 75  | 100   |
| IV                                                                                               | Skill Enhancement Course SEC 2                          | UCCOPS21                           | Computer Literacy in Commerce - Lab                                             | 2         | 2      | 3          | 25  | 75  | 100   |

|              |                                                         |                                |                                                                                  |    |    |   |     |     |     |
|--------------|---------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------|----|----|---|-----|-----|-----|
|              | Skill Enhancement Course SEC 3                          | UCCOTS22                       | Business Communication                                                           | 2  | 2  | 3 | 25  | 75  | 100 |
|              | Ability Enhancement Course AEC2                         | UCSSTM21                       | Soft Skill II                                                                    | 2  | 2  | 3 | 25  | 75  | 100 |
|              |                                                         |                                | TOTAL                                                                            | 30 | 23 | - | 200 | 600 | 800 |
| SEMESTER III |                                                         |                                |                                                                                  |    |    |   |     |     |     |
| I            | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL31                       | Tamil III                                                                        | 6  | 3  | 3 | 25  | 75  | 100 |
|              |                                                         | UCURTL31                       | Urdu III                                                                         |    |    |   |     |     |     |
|              |                                                         | UCARTL31                       | Arabic III                                                                       |    |    |   |     |     |     |
|              |                                                         | UCHDTL31                       | Hindi III                                                                        |    |    |   |     |     |     |
| II           | English                                                 | UCENTL31                       | English III                                                                      | 4  | 3  | 3 | 25  | 75  | 100 |
| III          | Core Course 5                                           | UCCOTC31                       | Corporate Accounting I                                                           | 5  | 4  | 3 | 25  | 75  | 100 |
|              | Core Course 6                                           | UCCOTC32                       | Company Law                                                                      | 4  | 4  | 3 | 25  | 75  | 100 |
|              | Elective 3                                              | UCCOTA31 / UCCOTA32 / UCCOTA33 | Allied: Business Mathematics & Statistics / Business Legislation/ E-Commerce     | 4  | 3  | 3 | 25  | 75  | 100 |
| IV           | Skill Enhancement Course SEC 4                          | UCCOPS31                       | Computerised Accounting I - Lab                                                  | 2  | 2  | 3 | 25  | 75  | 100 |
|              | Skill Enhancement Course SEC 5 [Online Exam]            | UCCOOS32                       | Personality Development                                                          | 2  | 1  | 2 | 25  | 75  | 100 |
|              | EVS                                                     |                                | Environmental Studies                                                            | 1  | -  | - | -   | -   | -   |
|              | Ability Enhancement Course AEC3                         | UCSSTM31                       | Soft Skill III                                                                   | 2  | 2  | 3 | 25  | 75  | 100 |
|              |                                                         |                                | TOTAL                                                                            | 30 | 22 | - | 200 | 600 | 800 |
| SEMESTER IV  |                                                         |                                |                                                                                  |    |    |   |     |     |     |
| I            | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL41                       | Tamil IV                                                                         | 6  | 3  | 3 | 25  | 75  | 100 |
|              |                                                         | UCURTL41                       | Urdu IV                                                                          |    |    |   |     |     |     |
|              |                                                         | UCARTL41                       | Arabic IV                                                                        |    |    |   |     |     |     |
|              |                                                         | UCHDTL41                       | Hindi IV                                                                         |    |    |   |     |     |     |
| II           | English                                                 | UCENTL41                       | English I                                                                        | 4  | 3  | 3 | 25  | 75  | 100 |
| III          | Core Course 7                                           | UCCOTC41                       | Corporate Accounting II                                                          | 5  | 4  | 3 | 25  | 75  | 100 |
|              | Core Course 8                                           | UCCOTC42                       | Principles of Marketing                                                          | 4  | 4  | 3 | 25  | 75  | 100 |
|              | Elective 4                                              | UCCOTA41 / UCCOTA42 / UCCOTA43 | Allied: Financial Services/Consumerism & Consumer Protection/Operations Research | 3  | 3  | 3 | 25  | 75  | 100 |
| IV           | Skill Enhancement Course SEC 6                          | UCCOPS41                       | Computerised Accounting II – Tally Lab                                           | 2  | 2  | 3 | 25  | 75  | 100 |



|                                                                                                                                                 |                                       |                     |                                                                         |            |            |          |             |             |             |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------|-------------------------------------------------------------------------|------------|------------|----------|-------------|-------------|-------------|
|                                                                                                                                                 | Skill Enhancement Course SEC 7        | UCCOTS42            | Employability Skills                                                    | 2          | 2          | 2        | 25          | 75          | 100         |
|                                                                                                                                                 | EVS [Online Exam]                     | UCESOM41            | Environmental Studies                                                   | 1          | 2          | 2        | 25          | 75          | 100         |
|                                                                                                                                                 | Ability Enhancement Course AEC4       | UCSSTM41            | Soft Skill IV                                                           | 2          | 2          | 3        | 25          | 75          | 100         |
|                                                                                                                                                 |                                       |                     | <b>TOTAL</b>                                                            | <b>30</b>  | <b>25</b>  | <b>-</b> | <b>225</b>  | <b>675</b>  | <b>900</b>  |
| <b>SEMESTER V</b>                                                                                                                               |                                       |                     |                                                                         |            |            |          |             |             |             |
| III                                                                                                                                             | Core Course 9                         | UCCOTC51            | Cost Accounting I                                                       | 5          | 4          | 3        | 25          | 75          | 100         |
|                                                                                                                                                 | Core Course 10                        | UCCOTC52            | Banking Law and Practice                                                | 5          | 4          | 3        | 25          | 75          | 100         |
|                                                                                                                                                 | Core Course 11                        | UCCOTC53            | Income Tax Law and Practice I                                           | 4          | 4          | 3        | 25          | 75          | 100         |
|                                                                                                                                                 | Core Course 12                        | UCCOJC54 / UCCOTC55 | Project with Viva Voce/ Auditing and Corporate Governance               | 4          | 4          | 3        | 25          | 75          | 100         |
|                                                                                                                                                 | Discipline Specific Elective 1        | UCCOTE51/ UCCOTE52  | Financial Management/ Indirect Taxation                                 | 4          | 3          | 3        | 25          | 75          | 100         |
|                                                                                                                                                 | Discipline Specific Elective 2        | UCCOTE53/ UCCOTE54  | Human Resource Management/ Office Management & Secretarial Practice     | 4          | 3          | 3        | 25          | 75          | 100         |
| IV                                                                                                                                              | VED [Online Exam]                     | UCVEOM51            | Value Education                                                         | 2          | 2          | 2        | 25          | 75          | 100         |
|                                                                                                                                                 | Summer Internship/Industrial Training | UCCOIM51            | Internship/ Industrial Training                                         | 2          | 2          | 3        | 25          | 75          | 100         |
|                                                                                                                                                 |                                       |                     | <b>TOTAL</b>                                                            | <b>30</b>  | <b>26</b>  | <b>-</b> | <b>200</b>  | <b>600</b>  | <b>800</b>  |
| <b>Semester VI</b>                                                                                                                              |                                       |                     |                                                                         |            |            |          |             |             |             |
| III                                                                                                                                             | Core Course 13                        | UCCOTC61            | Cost Accounting II                                                      | 6          | 5          | 3        | 25          | 75          | 100         |
|                                                                                                                                                 | Core Course 14                        | UCCOTC62            | Management Accounting                                                   | 6          | 5          | 3        | 25          | 75          | 100         |
|                                                                                                                                                 | Core Course 15                        | UCCOTC63            | Income Tax Law and Practice II                                          | 6          | 3          | 3        | 25          | 75          | 100         |
|                                                                                                                                                 | Discipline Specific Elective 3        | UCCOTE61/ UCCOPE62  | Entrepreneurial Development/ Computer Application in Business           | 5          | 3          | 3        | 25          | 75          | 100         |
|                                                                                                                                                 | Discipline Specific Elective 4        | UCCOPE63/ UCCOTE64  | Spreadsheet for Business - Lab / Logistics and Supply Chain Management/ | 5          | 2          | 3        | 25          | 75          | 100         |
| IV                                                                                                                                              | Professional Competency [Online exam] | UCCOOP61            | General Awareness for Competitive Examinations                          | 2          | 2          | 2        | 25          | 75          | 100         |
| V                                                                                                                                               | Extension Activity                    | UCEXAM61            | Extension Activity                                                      | -          | 1          | -        | 25          | 75          | 100         |
| <b>SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC[ Mandatory Online Course to be eligible for obtaining the UG degree]</b> |                                       |                     |                                                                         |            |            |          |             |             |             |
|                                                                                                                                                 |                                       | <b>TOTAL</b>        |                                                                         | <b>30</b>  | <b>21</b>  | <b>-</b> | <b>175</b>  | <b>525</b>  | <b>700</b>  |
|                                                                                                                                                 |                                       | <b>Grand Total</b>  |                                                                         | <b>180</b> | <b>140</b> | <b>-</b> | <b>1200</b> | <b>3600</b> | <b>4800</b> |

**B.Com. COMPUTER APPLICATION  
PROGRAMME SPECIFIC OUTCOMES:**

PSO1 – Placement: To prepare the students who will demonstrate respectful engagement with others' ideas, behaviours, and beliefs and apply diverse frames of reference to decisions and actions.

PSO 2 – Entrepreneur: To create effective entrepreneurs by enhancing their critical thinking, problem-solving, decision making and leadership skill that will facilitate startups and high-potential organizations

PSO3 – Research and Development: Design and implement HR systems and practices grounded in research that comply with employment laws, leading the organization towards growth and development.

PSO4 – Contribution to Business World: To produce employable, ethical and innovative professionals to sustain in the dynamic business world.

PSO 5 – Contribution to the Society: To contribute to the development of society by collaborating with stakeholders for mutual benefit

PSO6: Conduct business by adhering to various Legal and Regulatory Guidelines in the digital era.

PSO7: Exhibit Entrepreneurship Skills.

PSO8: Apply Optimal Costing Methods for better decision-making.

PSO9: Apply Income Tax Provision to estimate the Tax Liability of Individuals and MSMEs.

PSO10: Perform Business Activities efficiently and effectively in the digital Era with the help of ICT.

**MAPPING OF PROGRAMME-SPECIFIC OUTCOMES WITH PROGRAMME OUTCOMES**

| Program Specific Outcomes(PSOs)           | Program Outcomes (POs) |     |     |     |     |     |     |     |     |      |
|-------------------------------------------|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                                           | PO1                    | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| PSO1                                      | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO2                                      | ✓                      | ✓   | ✓   | ✓   |     | ✓   |     |     | ✓   |      |
| PSO3                                      | ✓                      | ✓   |     | ✓   |     | ✓   |     |     |     |      |
| PSO4                                      | ✓                      | ✓   |     | ✓   |     | ✓   | ✓   |     | ✓   |      |
| PSO5                                      | ✓                      | ✓   | ✓   | ✓   |     | ✓   |     |     |     |      |
| PSO6                                      | ✓                      | ✓   |     |     |     |     |     | ✓   |     | ✓    |
| PSO7                                      | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO8                                      | ✓                      |     |     | ✓   |     | ✓   | ✓   | ✓   |     |      |
| PSO9                                      | ✓                      | ✓   | ✓   | ✓   |     | ✓   |     | ✓   |     |      |
| PSO10                                     | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     | ✓   |      |
| Number of Matches = 64, Correlation: High |                        |     |     |     |     |     |     |     |     |      |

**MAPPING BENCHMARK**

| Mapping     | 1-30% | 31-60%   | 61-70% | 71-100%   |
|-------------|-------|----------|--------|-----------|
| Matches     | 1-30  | 31-60    | 61-70  | 71-100    |
| Correlation | Poor  | Moderate | High   | Very High |

| COURSE STRUCTURE FOR B.Com. COMPUTER APPLICATION<br>(For Students admitted from the academic year 2023-2024) |                                                         |                        |                                                                  |           |        |            |     |     |       |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------|------------------------------------------------------------------|-----------|--------|------------|-----|-----|-------|
| Part                                                                                                         | Category                                                | Course Code            | Course Title                                                     | Hrs./Week | Credit | Exam. Hrs. | CIA | ESE | TOTAL |
| SEMESTER I                                                                                                   |                                                         |                        |                                                                  |           |        |            |     |     |       |
| I                                                                                                            | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL11               | Tamil I                                                          | 6         | 3      | 3          | 25  | 75  | 100   |
|                                                                                                              |                                                         | UCURTL11               | Urdu I                                                           |           |        |            |     |     |       |
|                                                                                                              |                                                         | UCARTL11               | Arabic I                                                         |           |        |            |     |     |       |
|                                                                                                              |                                                         | UCHDTL11               | Hindi I                                                          |           |        |            |     |     |       |
| II                                                                                                           | English                                                 | UCENTL11               | English I                                                        | 4         | 3      | 3          | 25  | 75  | 100   |
| III                                                                                                          | Core Course 1                                           | UCCATC11               | Financial Accounting I                                           | 5         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                              | Core Course 2                                           | UCCATC12               | Principles of Management                                         | 5         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                              | Elective 1                                              | UCCAPA11/<br>UCCAPA12/ | Allied: Office Automation and Lab/Programming in C and Lab       | 4         | 3      | 3          | 25  | 75  | 100   |
| IV                                                                                                           | Skill Enhancement Course SEC 1                          | UCCATS11               | Indian Constitution                                              | 2         | 2      | 3          | 25  | 75  | 100   |
|                                                                                                              | Foundation Course                                       | UCCATF11               | Economics for Management                                         | 2         | 2      | 2          | 25  | 75  | 100   |
|                                                                                                              | Ability Enhancement Course AEC1                         | UCSSTM11               | Soft Skills I                                                    | 2         | 2      | 3          | 25  | 75  | 100   |
|                                                                                                              |                                                         |                        | TOTAL                                                            | 30        | 23     | -          | 200 | 600 | 800   |
| SEMESTER II                                                                                                  |                                                         |                        |                                                                  |           |        |            |     |     |       |
| I                                                                                                            | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL21               | Tamil II                                                         | 6         | 3      | 3          | 25  | 75  | 100   |
|                                                                                                              |                                                         | UCURTL21               | Urdu II                                                          |           |        |            |     |     |       |
|                                                                                                              |                                                         | UCARTL21               | Arabic II                                                        |           |        |            |     |     |       |
|                                                                                                              |                                                         | UCHDTL21               | Hindi II                                                         |           |        |            |     |     |       |
| II                                                                                                           | English                                                 | UCENTL21               | English II                                                       | 4         | 3      | 3          | 25  | 75  | 100   |
| III                                                                                                          | Core Course 3                                           | UCCATC21               | Financial Accounting II                                          | 5         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                              | Core Course 4                                           | UCCATC22               | Business Law                                                     | 5         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                              | Elective 2                                              | UCCAPA21/<br>UCCAPA22  | Allied: Python Programming and Lab / Programming in C ++ and Lab | 4         | 3      | 3          | 25  | 75  | 100   |
| IV                                                                                                           | Skill Enhancement Course SEC 2                          | UCCATS21               | Consumer welfare                                                 | 2         | 2      | 3          | 25  | 75  | 100   |
|                                                                                                              | Skill Enhancement Course SEC 3                          | UCCATS22               | Digital Marketing                                                | 2         | 2      | 2          | 25  | 75  | 100   |
|                                                                                                              | Ability Enhancement Course AEC2                         | UCSSTM21               | Soft Skills II                                                   | 2         | 2      | 3          | 25  | 75  | 100   |
|                                                                                                              |                                                         |                        | TOTAL                                                            | 30        | 23     | -          | 200 | 600 | 800   |

| SEMESTER III |                                                         |                       |                                                                   |    |    |   |     |     |     |
|--------------|---------------------------------------------------------|-----------------------|-------------------------------------------------------------------|----|----|---|-----|-----|-----|
| I            | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL31              | Tamil III                                                         | 6  | 3  | 3 | 25  | 75  | 100 |
|              |                                                         | UCURTL31              | Urdu III                                                          |    |    |   |     |     |     |
|              |                                                         | UCARTL31              | Arabic III                                                        |    |    |   |     |     |     |
|              |                                                         | UCHDTL31              | Hindi III                                                         |    |    |   |     |     |     |
| II           | English                                                 | UCENTL31              | English III                                                       | 4  | 3  | 3 | 25  | 75  | 100 |
| III          | Core Course 5                                           | UCCATC31              | Corporate Accounting I                                            | 5  | 4  | 3 | 25  | 75  | 100 |
|              | Core Course 6                                           | UCCATC32              | Business Mathematics & Statistics                                 | 4  | 4  | 3 | 25  | 75  | 100 |
|              | Elective 3                                              | UCCAPA31/<br>UCCAPA32 | Allied: Web Technology (PHP) and Lab /Programming in JAVA and Lab | 4  | 4  | 3 | 25  | 75  | 100 |
| IV           | Skill Enhancement Course SEC 4 [Online Exam]            | UCCAOS31              | Computerized Management Information System (CMIS)                 | 2  | 1  | 2 | 25  | 75  | 100 |
|              | Skill Enhancement Course SEC 5                          | UCCATS32              | Customer Relationship Management with IT                          | 2  | 1  | 3 | 25  | 75  | 100 |
|              | EVS                                                     |                       | Environmental Studies                                             | 1  | -  | - | -   | -   | -   |
|              | Ability Enhancement Course AEC3                         | UCSSTM31              | Soft Skills III                                                   | 2  | 2  | 3 | 25  | 75  | 100 |
|              |                                                         |                       | TOTAL                                                             | 30 | 22 | - | 200 | 600 | 800 |

| SEMESTER IV |                                                         |                       |                                                                            |    |    |   |     |     |     |
|-------------|---------------------------------------------------------|-----------------------|----------------------------------------------------------------------------|----|----|---|-----|-----|-----|
| I           | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL41              | Tamil IV                                                                   | 6  | 3  | 3 | 25  | 75  | 100 |
|             |                                                         | UCURTL41              | Urdu IV                                                                    |    |    |   |     |     |     |
|             |                                                         | UCARTL41              | Arabic IV                                                                  |    |    |   |     |     |     |
|             |                                                         | UCHDTL41              | Hindi IV                                                                   |    |    |   |     |     |     |
| II          | English                                                 | UCENTL41              | English I                                                                  | 4  | 3  | 3 | 25  | 75  | 100 |
| III         | Core Course 7                                           | UCCATC41              | Corporate Accounting II                                                    | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 8                                           | UCCATC42              | Company Law                                                                | 4  | 4  | 3 | 25  | 75  | 100 |
|             | Elective 4                                              | UCCATA41/<br>UCCATA42 | Allied: Introduction to Data Science/Relational Database Management System | 4  | 3  | 3 | 25  | 75  | 100 |
| IV          | Skill Enhancement Course SEC 6                          | UCCATS41              | Enterprise Resource Planning with IT                                       | 2  | 2  | 3 | 25  | 75  | 100 |
|             | Skill Enhancement Course SEC 7                          | UCCATS42              | Computer Applications in Finance                                           | 2  | 2  | 2 | 25  | 75  | 100 |
|             | EVS [Online Exam]                                       | UCESOM4<br>1          | Environmental Studies                                                      | 1  | 2  | 2 | 25  | 75  | 100 |
|             | Ability Enhancement Course AEC4                         | UCSSTM41              | Soft Skills IV                                                             | 2  | 2  | 3 | 25  | 75  | 100 |
|             |                                                         |                       | TOTAL                                                                      | 30 | 25 | - | 225 | 675 | 900 |

| SEMESTER V  |                                                                                                                                           |                    |                                                                              |     |     |   |      |      |      |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------|-----|-----|---|------|------|------|
| III         | Core Course 9                                                                                                                             | UCCATC51           | Cost Accounting I                                                            | 5   | 4   | 3 | 25   | 75   | 100  |
|             | Core Course 10                                                                                                                            | UCCATC52           | Banking Law and Practice                                                     | 5   | 4   | 3 | 25   | 75   | 100  |
|             | Core Course 11                                                                                                                            | UCCATC53           | Income Tax Law and Practice I                                                | 4   | 4   | 3 | 25   | 75   | 100  |
|             | Core Course 12                                                                                                                            | UCCAIC54           | Project with Viva Voce Auditing and Corporate Governance                     | 4   | 4   | 3 | 25   | 75   | 100  |
|             | Discipline Specific Elective 5                                                                                                            | UCCATE51/ UCCATE52 | Indirect Taxation/ Financial Management                                      | 4   | 3   | 3 | 25   | 75   | 100  |
|             | Discipline Specific Elective 6                                                                                                            | UCCAPE53/ UCCAPE54 | Software Engineering+(UML Lab)/Object oriented Analysis and Design+(UML Lab) | 4   | 3   | 3 | 25   | 75   | 100  |
| IV          | VED [Online Exam]                                                                                                                         | UCVEOM51           | Value Education                                                              | 2   | 2   | 2 | 25   | 75   | 100  |
|             | Summer Internship/Industrial Training                                                                                                     | UCHIIM51           | Internship/Industrial Training                                               | 2   | 2   | 3 | 25   | 75   | 100  |
|             |                                                                                                                                           |                    | TOTAL                                                                        | 30  | 26  | - | 200  | 600  | 800  |
| SEMESTER VI |                                                                                                                                           |                    |                                                                              |     |     |   |      |      |      |
| III         | Core Course 13                                                                                                                            | UCCATC61           | Cost Accounting II                                                           | 6   | 4   | 3 | 25   | 75   | 100  |
|             | Core Course 14                                                                                                                            | UCCATC62           | Management Accounting                                                        | 6   | 4   | 3 | 25   | 75   | 100  |
|             | Core Course 15                                                                                                                            | UCCATC63           | Income Tax Law and Practice II                                               | 6   | 4   | 3 | 25   | 75   | 100  |
|             | Discipline Specific Elective 7                                                                                                            | UCCATE61/ UCCATE62 | Entrepreneurial Development/Human Resource management                        | 5   | 3   | 3 | 25   | 75   | 100  |
|             | Discipline Specific Elective 8                                                                                                            | UCCATE63/ UCCATE64 | Practical Tally /R Language                                                  | 5   | 3   | 3 | 25   | 75   | 100  |
| IV          | Professional Competency                                                                                                                   | UCCAOP61           | General Awareness for Competitive Examinations                               | 2   | 2   | 3 | 25   | 75   | 100  |
| V           | Extension Activity                                                                                                                        | UCEXAM61           | Extension Activity                                                           | -   | 1   | - | 25   | 75   | 100  |
|             | SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC [ Mandatory Online Course to be eligible for obtaining the UG degree] |                    |                                                                              |     |     |   |      |      |      |
|             |                                                                                                                                           |                    | TOTAL                                                                        | 30  | 21  | - | 175  | 525  | 700  |
|             |                                                                                                                                           |                    | Grand Total                                                                  | 180 | 140 | - | 1200 | 3600 | 4800 |

**B.Com [Finance & Accounts]  
PROGRAMME SPECIFIC OUTCOMES**

**PSO1 – Placement:**

To prepare the students who will demonstrate respectful engagement with others' ideas, behaviours, and beliefs and apply diverse frames of reference to decisions and actions.

**PSO 2 - Entrepreneur:**

To create effective entrepreneurs by enhancing their critical thinking, problem-solving, decision making and leadership skill that will facilitate startups and high-potential organizations

**PSO3 – Research and Development:**

Design and implement HR systems and practices grounded in research that complies with employment laws, leading the organization towards growth and development.

**PSO4 – Contribution to Business World:**

To produce employable, ethical and innovative professionals to sustain in the dynamic business world.

**PSO 5 – Contribution to the Society:**

To contribute to the development of society by collaborating with stakeholders for mutual benefit

**PSO 6** Provide more exposure to modern aspects of the HR and Marketing field to develop decision-making skills

**PSO 7** Equip with knowledge of legal framework in the context of the business, company, and various industries

**PSO 8** Understand the importance of communication and writing necessary reports in the daily routine of business

**PSO 9** Computer applications and computerized accounting like e-filing and different tax return training will enable them to solve accounting problems

**PSO 10** Understand the statistical methods and techniques to solve various problems relating to another interdisciplinary arena including research

**. MAPPING OF PROGRAMME-SPECIFIC OUTCOMES WITH PROGRAMME OUTCOMES**

| Programme Specific Outcomes (PSO) | Program Out Comes (POs) |     |     |     |           |     |     |     |     |      |
|-----------------------------------|-------------------------|-----|-----|-----|-----------|-----|-----|-----|-----|------|
|                                   | PO1                     | PO2 | PO3 | PO4 | PO5       | PO6 | PO7 | PO8 | PO9 | PO10 |
| <b>PSO1</b>                       | √                       | √   | √   | √   |           | √   | √   | √   |     | √    |
| <b>PSO2</b>                       | √                       | √   | √   | √   | √         | √   | √   |     | √   | √    |
| <b>PSO3</b>                       | √                       | √   | √   | √   | √         | √   | √   |     |     |      |
| <b>PSO4</b>                       | √                       | √   | √   | √   | √         | √   | √   | √   |     | √    |
| <b>PSO5</b>                       | √                       | √   | √   | √   | √         | √   | √   |     | √   | √    |
| <b>PSO6</b>                       | √                       | √   | √   | √   |           | √   |     |     |     | √    |
| <b>PSO7</b>                       | √                       | √   | √   | √   | √         | √   | √   | √   | √   | √    |
| <b>PSO8</b>                       | √                       | √   | √   | √   | √         |     | √   | √   |     | √    |
| <b>PSO9</b>                       | √                       | √   | √   | √   |           | √   |     | √   | √   | √    |
| <b>PSO10</b>                      | √                       | √   | √   | √   | √         | √   |     |     | √   | √    |
| Correlated -Very High             |                         |     |     |     | Total =82 |     |     |     |     |      |

## Mapping Bench Mark

| Mapping     | 1-30% | 31-60%   | 61-70% | 71-100%   |
|-------------|-------|----------|--------|-----------|
| Matches     | 1-30  | 31-60    | 61-70  | 71-100    |
| Correlation | Poor  | Moderate | High   | Very High |

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**COURSE STRUCTURE for B.Com. FINANCE & ACCOUNTS**  
**(For the candidates admitted from the academic year 2023-2024)**

| Part               | Category                                                 | Course Code                          | Course Title                                                                     | Hrs./Week | Credit    | Exam. Hrs. | CIA        | ESE        | TOTAL      |
|--------------------|----------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------|-----------|-----------|------------|------------|------------|------------|
| <b>SEMESTER I</b>  |                                                          |                                      |                                                                                  |           |           |            |            |            |            |
| I                  | Generic Elective Tamil / Language (To choose 1 out of 4) | UCTATL11                             | Tamil I                                                                          | 6         | 3         | 3          | 25         | 75         | 100        |
|                    |                                                          | UCURTL11                             | Urdu I                                                                           |           |           |            |            |            |            |
|                    |                                                          | UCARTL11                             | Arabic I                                                                         |           |           |            |            |            |            |
|                    |                                                          | UCHDTL11                             | Hindi I                                                                          |           |           |            |            |            |            |
| II                 | English                                                  | UCENTL11                             | English I                                                                        | 4         | 3         | 3          | 25         | 75         | 100        |
| III                | Core Course 1                                            | UCFATC11                             | Financial Accounting I                                                           | 5         | 4         | 3          | 25         | 75         | 100        |
|                    | Core Course 2                                            | UCFATC12                             | Principles of Management                                                         | 5         | 4         | 3          | 25         | 75         | 100        |
|                    | Elective 1                                               | UCFATA11 /<br>UCFATA11 /<br>UCFATA13 | Business Communication/<br>Indian Economic Development/<br>Business Economics    | 4         | 3         | 3          | 25         | 75         | 100        |
|                    | Skill Enhancement Course SEC1                            | UCFATS11                             | E-Commerce                                                                       | 2         | 2         | 3          | 25         | 75         | 100        |
| IV                 | Foundation Course                                        | UCFATF11                             | Financial Markets                                                                | 2         | 2         | 2          | 25         | 75         | 100        |
|                    | Ability Enhancement Course AEC1                          | UCSSTM11                             | Soft Skills I                                                                    | 2         | 2         | 3          | 25         | 75         | 100        |
|                    |                                                          |                                      | <b>TOTAL</b>                                                                     | <b>30</b> | <b>23</b> | <b>-</b>   | <b>200</b> | <b>600</b> | <b>800</b> |
| <b>SEMESTER II</b> |                                                          |                                      |                                                                                  |           |           |            |            |            |            |
| I                  | Generic Elective Tamil / Language (To choose 1 out of 4) | UCTATL21                             | Tamil II                                                                         | 6         | 3         | 3          | 25         | 75         | 100        |
|                    |                                                          | UCURTL21                             | Urdu II                                                                          |           |           |            |            |            |            |
|                    |                                                          | UCARTL21                             | Arabic II                                                                        |           |           |            |            |            |            |
|                    |                                                          | UCHDTL21                             | Hindi II                                                                         |           |           |            |            |            |            |
| II                 | English                                                  | UCENTL21                             | English II                                                                       | 4         | 3         | 3          | 25         | 75         | 100        |
| III                | Core Course 3                                            | UCFATC21                             | Financial Accounting II                                                          | 5         | 4         | 3          | 25         | 75         | 100        |
|                    | Core Course 4                                            | UCFATC22                             | Business Law                                                                     | 5         | 4         | 3          | 25         | 75         | 100        |
|                    | Elective 2                                               | UCFATA21 /<br>UCFATA22 /<br>UCFATA23 | Human Resource Management/<br>International Trade/<br>Working Capital Management | 4         | 3         | 3          | 25         | 75         | 100        |

|    |                               |          |                      |           |           |          |            |            |            |
|----|-------------------------------|----------|----------------------|-----------|-----------|----------|------------|------------|------------|
|    | Skill Enhancement Course SEC2 | UCFATS21 | Financial Technology | 2         | 2         | 3        | 25         | 75         | 100        |
| IV | Skill Enhancement Course SEC3 | UCFATS22 | Personal Finance     | 2         | 2         | 3        | 25         | 75         | 100        |
|    | Ability Enhancement Course 2  | UCSSTM21 | Soft Skills II       | 2         | 2         | 3        | 25         | 75         | 100        |
|    |                               |          | <b>TOTAL</b>         | <b>30</b> | <b>23</b> | <b>-</b> | <b>200</b> | <b>600</b> | <b>800</b> |

| SEMESTER III |                                                          |                                |                                                                                      |           |           |          |            |            |            |
|--------------|----------------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------|-----------|-----------|----------|------------|------------|------------|
| I            | Generic Elective Tamil / Language (To choose 1 out of 4) | UCTATL31                       | Tamil III                                                                            | 6         | 3         | 3        | 25         | 75         | 100        |
|              |                                                          | UCURTL31                       | Urdu III                                                                             |           |           |          |            |            |            |
|              |                                                          | UCARTL31                       | Arabic III                                                                           |           |           |          |            |            |            |
|              |                                                          | UCHDTL31                       | Hindi III                                                                            |           |           |          |            |            |            |
| II           | English                                                  | UCENTL31                       | English III                                                                          | 4         | 3         | 3        | 25         | 75         | 100        |
| III          | Core Course 5                                            | UCFATC31                       | Corporate Accounting-I                                                               | 5         | 4         | 3        | 25         | 75         | 100        |
|              | Core Course 6                                            | UCFATC32                       | Company Law                                                                          | 4         | 4         | 3        | 25         | 75         | 100        |
|              | Elective 3                                               | UCFATA31 / UCFATA32 / UCFATA33 | Fundamentals of Investment/ Financial Services/ Business Mathematics and Statistics. | 4         | 4         | 3        | 25         | 75         | 100        |
| IV           | Skill Enhancement Course SEC4                            | UCFATS31                       | Entrepreneurship Development                                                         | 2         | 1         | 3        | 25         | 75         | 100        |
|              | Skill Enhancement Course SEC5 [Online Exam]              | UCFAOS32                       | Business Analytics                                                                   | 2         | 1         | 2        | 25         | 75         | 100        |
|              | EVS                                                      | UCESOM4 1                      | Environmental Studies                                                                | 1         | -         | -        | -          | -          | -          |
|              | Ability Enhancement Course 3                             | UCSSTM31                       | Soft Skills III                                                                      | 2         | 2         | 3        | 25         | 75         | 100        |
|              |                                                          |                                | <b>TOTAL</b>                                                                         | <b>30</b> | <b>22</b> | <b>-</b> | <b>200</b> | <b>600</b> | <b>800</b> |
| SEMESTER IV  |                                                          |                                |                                                                                      |           |           |          |            |            |            |
| I            | Generic Elective Tamil / Language (To choose 1 out of 4) | UCTATL41                       | Tamil IV                                                                             | 6         | 3         | 3        | 25         | 75         | 100        |
|              |                                                          | UCURTL41                       | Urdu IV                                                                              |           |           |          |            |            |            |
|              |                                                          | UCARTL41                       | Arabic IV                                                                            |           |           |          |            |            |            |
|              |                                                          | UCHDTL41                       | Hindi IV                                                                             |           |           |          |            |            |            |
| II           | English                                                  | UCENTL41                       | English IV                                                                           | 4         | 3         | 3        | 25         | 75         | 100        |
| III          | Core Course 7                                            | UCFATC41                       | Corporate Accounting-II                                                              | 5         | 4         | 3        | 25         | 75         | 100        |
|              | Core Course 8                                            | UCFATC42                       | Principles of Marketing                                                              | 4         | 4         | 3        | 25         | 75         | 100        |
|              | Generic Elective 4                                       | UCFATA41 UCFATA42 UCFATA43     | Management Information System/Financial                                              | 4         | 3         | 3        | 25         | 75         | 100        |



|    |                               |          |                                    |    |    |   |     |     |     |
|----|-------------------------------|----------|------------------------------------|----|----|---|-----|-----|-----|
|    |                               |          | Derivatives/<br>Operation Research |    |    |   |     |     |     |
| IV | Skill Enhancement Course SEC6 | UCFATS41 | Digital Marketing                  | 2  | 2  | 3 | 25  | 75  | 100 |
|    | Skill Enhancement Course SEC7 | UCFATS42 | E-filing of Returns                | 2  | 2  | 3 | 25  | 75  | 100 |
|    | EVS [Online Exam]             | UCESOM41 | Environmental Studies              | 1  | 2  | 2 | 25  | 75  | 100 |
|    | Ability Enhancement Course 4  | UCSSTM41 | Soft Skills IV                     | 2  | 2  | 3 | 25  | 75  | 100 |
|    |                               |          | TOTAL                              | 30 | 25 | - | 225 | 675 | 900 |

| SEMESTER V  |                                       |                       |                                                                   |    |    |   |     |     |     |
|-------------|---------------------------------------|-----------------------|-------------------------------------------------------------------|----|----|---|-----|-----|-----|
| III         | Core Course 9                         | UCFATC51              | Cost Accounting I                                                 | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 10                        | UCFATC52              | Banking Law and Practice                                          | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 11                        | UCFATC53              | Income Tax Law and Practice I                                     | 4  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 12                        | UCFAIC54              | Project with Viva Voce Auditing and Corporate Governance          | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Discipline - Specific Core Course 1   | UCFATE51/<br>UCFATE52 | Financial Management/<br>Financials Reporting                     | 4  | 3  | 3 | 25  | 75  | 100 |
|             | Discipline-Specific Elective 2        | UCFATE53/<br>UCFATE54 | Investment Analysis and Portfolio Management/<br>Merchant Banking | 3  | 3  | 3 | 25  | 75  | 100 |
| IV          | VED [Online exam]                     | UCVEOM51              | Value Education                                                   | 2  | 2  | 2 | 25  | 75  | 100 |
|             | Summer Internship/Industrial Training | UCFAIM51              | Internship / Industrial Training                                  | 2  | 2  | 3 | 25  | 75  | 100 |
|             |                                       |                       | TOTAL                                                             | 30 | 26 | - | 200 | 600 | 800 |
| SEMESTER VI |                                       |                       |                                                                   |    |    |   |     |     |     |
| III         | Core Course 13                        | UCFATC61              | Cost Accounting II                                                | 6  | 5  | 3 | 25  | 75  | 100 |
|             | Core Course 14                        | UCFATC62              | Management Accounting                                             | 6  | 5  | 3 | 25  | 75  | 100 |
|             | Core Course 15                        | UCFATC63              | Income Tax Law and Practice II                                    | 6  | 3  | 3 | 25  | 75  | 100 |
|             | Discipline - Specific Elective 3      | UCFATE61/<br>UCFATE62 | Indirect Taxation/Computer Applications in Business               | 5  | 3  | 3 | 25  | 75  | 100 |
|             | Discipline-Specific Elective 4        | UCFATE63/<br>UCFATE64 | Indian Accounting Standard/ Spreadsheet for Business              | 5  | 2  | 3 | 25  | 75  | 100 |
| IV          | Professional Competency [Online Exam] | UCFA0P61              | General Awareness for Competitive Examinations                    | 2  | 2  | 2 | 25  | 75  | 100 |

| V | Extension Activities                                                                                                                      | UCEXAM61 | Extension Activities | -   | 1   | - | 25   | 75   | 100  |
|---|-------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------|-----|-----|---|------|------|------|
|   | SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC [ Mandatory Online Course to be eligible for obtaining the UG degree] |          |                      |     |     |   |      |      |      |
|   |                                                                                                                                           |          | TOTAL                | 30  | 21  | - | 175  | 525  | 700  |
|   |                                                                                                                                           |          | GRAND TOTAL          | 180 | 140 | - | 1200 | 3600 | 4800 |

**PROGRAMME OUTCOMES FOR B.SC. PROGRAMMES**  
**[MATHEMATICS, PHYSICS AND CHEMISTRY]**

- PO1** Disciplinary knowledge: Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of an undergraduate Programme of study.
- PO2** Communication Skills: Ability to express thoughts and ideas effectively in writing and orally; Communicate with others using appropriate media; confidently share one's views and express herself/himself; demonstrate the ability to listen carefully, read and write analytically, and present complex information clearly and concisely to different groups.
- PO3** Critical thinking: Capability to apply analytic thought to a body of knowledge; analyse and evaluate evidence, arguments, claims, and beliefs based on empirical evidence; identify relevant assumptions or implications; formulate coherent arguments; critically evaluate practices, policies and theories by following a scientific approach to knowledge development.
- PO4** Problem-solving: Capacity to extrapolate from what one has learned and apply competencies to solve different kinds of non-familiar problems, rather than replicate curriculum content knowledge; and apply one's learning to real-life situations.
- PO5** Analytical reasoning: Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with evidence and examples, and address opposing viewpoints.
- PO6** Research-related skills: A sense of inquiry and capability for asking relevant/appropriate questions, problem arising, synthesising and articulating; Ability to recognise cause-and-effect relationships, define problems, formulate hypotheses, test hypotheses, analyse, interpret and draw conclusions from data, establish hypotheses, predict cause-and-effect relationships; ability to plan, execute and report the results of an experiment or investigation.
- PO7** Cooperation/Teamwork: Ability to work effectively and respectfully with diverse teams; facilitate cooperative or coordinated effort on the part of a group, and act together as a group or a team in the interests of a common cause and work efficiently as a member of a team.
- PO8** Scientific reasoning: Ability to analyse, interpret and draw conclusions from quantitative/qualitative data; and critically evaluate ideas, evidence and experiences from an open-minded and reasoned perspective.
- PO9** Reflective thinking: Critical sensibility to lived experiences, with self-awareness and reflexivity of both self and society.
- PO10** Information/digital literacy: Capability to use ICT in a variety of learning situations, demonstrate ability to access, evaluate, and use a variety of relevant information sources; and use appropriate software for analysis of data.

- PO11** Self-directed learning: Ability to work independently, identify appropriate resources required for a project, and manage a project through to completion.
- PO12** Multicultural competence: Possess knowledge of the values and beliefs of multiple cultures and a global perspective; and capability to effectively engage in a multicultural society and interact respectfully with diverse groups.
- PO13** Moral and ethical awareness/reasoning: Ability to embrace moral/ethical values in conducting one's life, formulate a position/argument about an ethical issue from multiple perspectives, and use ethical practices in all work. Capable of demonstrating the ability to identify ethical issues related to one's work, avoid unethical behaviour such as fabrication, falsification or misrepresentation of data or committing plagiarism, not adhering to intellectual property rights; appreciating environmental and sustainability issues; and adopting objective, unbiased and truthful actions in all aspects of work.
- PO14** Leadership readiness/qualities: Capability for mapping out the tasks of a team or an organization, setting direction, formulating an inspiring vision, building a team who can help achieve the vision, motivating and inspiring team members to engage with that vision, and using management skills to guide people to the right destination, smoothly and efficiently.
- PO15** Lifelong learning: Ability to acquire knowledge and skills, including „learning how to learn“, that is necessary for participating in learning activities throughout life, through self-paced and self-directed learning aimed at personal development, meeting economic, social and cultural objectives, and adapting to changing trades and demands of the workplace through knowledge/skill development/reskilling.

**B.Sc. MATHEMATICS DEGREE PROGRAMME**  
**By the end of the program, the students will be able to**

|             |                                                                                                            |
|-------------|------------------------------------------------------------------------------------------------------------|
| <b>PSO1</b> | Develop the mathematical ability to think abstractly.                                                      |
| <b>PSO2</b> | Solve skilled problems.                                                                                    |
| <b>PSO3</b> | Create talents for various types of employment.                                                            |
| <b>PSO4</b> | Equip themselves to appear in competitive examinations.                                                    |
| <b>PSO5</b> | Learn independently and improve self-performance.                                                          |
| <b>PSO6</b> | Develop in-depth knowledge of mathematics appreciating the connection between theory and its applications. |
| <b>PSO7</b> | Identify the application of mathematics in other disciplines and society.                                  |
| <b>PSO8</b> | Demonstrate mathematical modelling ability.                                                                |

## MAPPING OF PROGRAMME SPECIFIC OUTCOMES WITH PROGRAMME OUTCOMES

| Programme Specific Outcomes (PSOs)        | Programme Outcomes (POs) |     |     |     |     |     |     |     |     |      |
|-------------------------------------------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                                           | PO1                      | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| PSO1                                      | ✓                        | ✓   | ✓   | ✓   |     |     | ✓   | ✓   |     | ✓    |
| PSO2                                      | ✓                        | ✓   | ✓   | ✓   |     |     | ✓   | ✓   | ✓   |      |
| PSO3                                      | ✓                        |     | ✓   | ✓   | ✓   |     | ✓   | ✓   |     |      |
| PSO4                                      | ✓                        | ✓   |     | ✓   | ✓   |     |     | ✓   | ✓   |      |
| PSO5                                      | ✓                        |     | ✓   | ✓   |     | ✓   | ✓   | ✓   | ✓   |      |
| PSO6                                      |                          | ✓   | ✓   | ✓   | ✓   |     | ✓   | ✓   | ✓   |      |
| PSO7                                      |                          | ✓   | ✓   | ✓   |     |     |     | ✓   | ✓   | ✓    |
| PSO8                                      |                          | ✓   | ✓   |     |     | ✓   | ✓   | ✓   | ✓   | ✓    |
| Number of Matches = 53, Correlation: High |                          |     |     |     |     |     |     |     |     |      |

## Mapping Correlation Benchmark

| Mapping     | 1-29% | 30-59%   | 60-69% | 70-100%   |
|-------------|-------|----------|--------|-----------|
| Matches     | 1-24  | 25-50    | 51-56  | 57-80     |
| Correlation | Poor  | Moderate | High   | Very High |

**COURSE STRUCTURE FOR B.Sc MATHEMATICS**  
(For Students admitted from the academic year 2023-2024)

| Part              | Category                                                | Course Code | Course Title                                | Hrs./Week | Credit | Exam. Hrs. | CIA | ESE | TOTAL |
|-------------------|---------------------------------------------------------|-------------|---------------------------------------------|-----------|--------|------------|-----|-----|-------|
| <b>SEMESTER I</b> |                                                         |             |                                             |           |        |            |     |     |       |
| I                 | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL11    | Tamil I                                     | 6         | 3      | 3          | 25  | 75  | 100   |
|                   |                                                         | UCURTL11    | Urdu I                                      |           |        |            |     |     |       |
|                   |                                                         | UCARTL11    | Arabic I                                    |           |        |            |     |     |       |
|                   |                                                         | UCHDTL11    | Hindi I                                     |           |        |            |     |     |       |
| II                | English                                                 | UCENTL11    | English I                                   | 4         | 3      | 3          | 25  | 75  | 100   |
| III               | Core Course 1                                           | UCMSTC11    | Algebra & Trigonometry                      | 5         | 4      | 3          | 25  | 75  | 100   |
|                   | Core Course 2                                           | UCMSTC12    | Differential Calculus                       | 5         | 4      | 3          | 25  | 75  | 100   |
|                   | Elective 1                                              | UCMSTA11    | Allied: Numerical Methods with Applications | 4         | 3      | 3          | 25  | 75  | 100   |

|             |                                                         |          |                                              |    |    |   |     |     |     |
|-------------|---------------------------------------------------------|----------|----------------------------------------------|----|----|---|-----|-----|-----|
| IV          | Skill Enhancement Course SEC 1 [NME - Allied Dept]      | UCMSPS11 | Numerical Methods with Applications Lab      | 2  | 2  | 3 | 25  | 75  | 100 |
|             | Foundation Course                                       | UCMSTF11 | Bridge Mathematics                           | 2  | 2  | 2 | 25  | 75  | 100 |
|             | Ability Enhancement Compulsory Course AEC 1             | UCSSTM11 | Soft Skill I                                 | 2  | 2  | 3 | 25  | 75  | 100 |
|             |                                                         |          | TOTAL                                        | 30 | 23 | - | 200 | 600 | 800 |
| SEMESTER II |                                                         |          |                                              |    |    |   |     |     |     |
| I           | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL21 | Tamil II                                     | 6  | 3  | 3 | 25  | 75  | 100 |
|             |                                                         | UCURTL21 | Urdu II                                      |    |    |   |     |     |     |
|             |                                                         | UCARTL21 | Arabic II                                    |    |    |   |     |     |     |
|             |                                                         | UCHDTL21 | Hindi II                                     |    |    |   |     |     |     |
| II          | English                                                 | UCENTL21 | English II                                   | 4  | 3  | 3 | 25  | 75  | 100 |
| III         | Core Course 3                                           | UCMSTC21 | Analytical Geometry (Two & Three Dimensions) | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 4                                           | UCMSTC22 | Integral Calculus                            | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Elective 2                                              | UCMSTA21 | Allied: Calculus of Finite Differences       | 4  | 3  | 3 | 25  | 75  | 100 |
| IV          | Skill Enhancement Course SEC 2                          | UCMSPS21 | Problem-Solving Techniques Lab               | 2  | 2  | 3 | 25  | 75  | 100 |
|             | Skill Enhancement Course SEC 3                          | UCMSPS21 | Computational Mathematics Lab                | 2  | 2  | 2 | 25  | 75  | 100 |
|             | Ability Enhancement Compulsory Course AEC 2             | UCSSTM21 | Soft Skill II                                | 2  | 2  | 3 | 25  | 75  | 100 |
|             |                                                         |          | TOTAL                                        | 30 | 23 | - | 200 | 600 | 800 |

|              |                                                         |          |                                  |   |   |   |    |    |     |
|--------------|---------------------------------------------------------|----------|----------------------------------|---|---|---|----|----|-----|
| SEMESTER III |                                                         |          |                                  |   |   |   |    |    |     |
| I            | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL31 | Tamil III                        | 6 | 3 | 3 | 25 | 75 | 100 |
|              |                                                         | UCURTL31 | Urdu III                         |   |   |   |    |    |     |
|              |                                                         | UCARTL31 | Arabic III                       |   |   |   |    |    |     |
|              |                                                         | UCHDTL31 | Hindi III                        |   |   |   |    |    |     |
| II           | English                                                 | UCENTL31 | English III                      | 4 | 3 | 3 | 25 | 75 | 100 |
| III          | Core Course 5                                           | UCMSTC31 | Vector Calculus and Applications | 5 | 4 | 3 | 25 | 75 | 100 |

|             |                                                         |          |                                         |    |    |   |     |     |     |
|-------------|---------------------------------------------------------|----------|-----------------------------------------|----|----|---|-----|-----|-----|
|             | Core Course 6                                           | UCMSTC32 | Differential Equations and Applications | 4  | 4  | 3 | 25  | 75  | 100 |
|             | Elective 3                                              | UCMSTA31 | Allied: Mathematical Statistics         | 4  | 4  | 3 | 25  | 75  | 100 |
| IV          | Skill Enhancement Course SEC 4                          | UCMSPS31 | MS Office – Lab                         | 2  | 1  | 3 | 25  | 75  | 100 |
|             | Skill Enhancement Course SEC 5                          | UCMSPS32 | Statistics with R Programming - Lab     | 2  | 1  | 3 | 25  | 75  | 100 |
|             | EVS                                                     | -        | Environmental Studies                   | 1  | -  | - | -   | -   | -   |
|             | Ability Enhancement Compulsory Course AEC 3             | UCSSTM31 | Soft Skill III                          | 2  | 2  | 3 | 25  | 75  | 100 |
|             |                                                         |          | TOTAL                                   | 30 | 22 | - | 200 | 600 | 800 |
| SEMESTER IV |                                                         |          |                                         |    |    |   |     |     |     |
| I           | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL41 | Tamil IV                                | 6  | 3  | 3 | 25  | 75  | 100 |
|             |                                                         | UCURTL41 | Urdu IV                                 |    |    |   |     |     |     |
|             |                                                         | UCARTL41 | Arabic IV                               |    |    |   |     |     |     |
|             |                                                         | UCHDTL41 | Hindi IV                                |    |    |   |     |     |     |
| II          | English                                                 | UCENTL41 | English IV                              | 4  | 3  | 3 | 25  | 75  | 100 |
| III         | Core Course 7                                           | UCMSTC41 | Industry Module – Industrial Statistics | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 8                                           | UCMSTC42 | Elements of Mathematical Analysis       | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Elective 4                                              | UCMSTA41 | Allied: Transformation Techniques       | 3  | 3  | 3 | 25  | 75  | 100 |
| IV          | Skill Enhancement Course SEC 6                          | UCMSTS41 | Introduction to Data Science            | 2  | 2  | 3 | 25  | 75  | 100 |
|             | Skill Enhancement Course SEC 7                          | UCMSTS42 | Mathematical Computation                | 2  | 2  | 2 | 25  | 75  | 100 |
|             | EVS [Online Exam]                                       | UCESOM41 | Environmental Studies                   | 1  | 2  | 2 | 25  | 75  | 100 |
|             | Ability Enhancement Compulsory Course AEC 4             | UCSSTM41 | Soft Skill IV                           | 2  | 2  | 3 | 25  | 75  | 100 |
|             |                                                         |          | TOTAL                                   | 30 | 25 | - | 225 | 675 | 900 |

| SEMESTER V  |                                                                                                                                           |          |                                                       |            |            |          |            |            |             |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------|------------|------------|----------|------------|------------|-------------|
| III         | Core Course 9                                                                                                                             | UCMSTC51 | Abstract Algebra                                      | 5          | 4          | 3        | 25         | 75         | 100         |
|             | Core Course 10                                                                                                                            | UCMSTC52 | Real Analysis                                         | 5          | 4          | 3        | 25         | 75         | 100         |
|             | Core Course 11                                                                                                                            | UCMSTC53 | Mathematical Modelling                                | 4          | 4          | 3        | 25         | 75         | 100         |
|             | Core Course 12                                                                                                                            | UCMSJC54 | Project with Viva Voce                                | 5          | 4          | 3        | 25         | 75         | 100         |
|             | Discipline Specific Elective 1                                                                                                            | UCMSTE51 | Optimization Techniques                               | 4          | 3          | 3        | 25         | 75         | 100         |
|             | Discipline Specific Elective 2                                                                                                            | UCMSPE52 | Introduction to Machine Learning – Theory & Practical | 3          | 3          | 3        | 25         | 75         | 100         |
| IV          | VED [Online Exam]                                                                                                                         | UCVEOM51 | Value Education                                       | 2          | 2          | 2        | 25         | 75         | 100         |
| IV          | Summer Internship/Industrial Training                                                                                                     | UCMSIM51 | Internship/Industrial Training                        | 2          | 2          | 3        | 25         | 75         | 100         |
|             |                                                                                                                                           |          | <b>TOTAL</b>                                          | <b>30</b>  | <b>26</b>  | <b>-</b> | <b>200</b> | <b>600</b> | <b>800</b>  |
| SEMESTER VI |                                                                                                                                           |          |                                                       |            |            |          |            |            |             |
| III         | Core Course 13                                                                                                                            | UCMSTC61 | Linear Algebra                                        | 6          | 5          | 3        | 25         | 75         | 100         |
|             | Core Course 14                                                                                                                            | UCMSTC62 | Complex Analysis                                      | 6          | 5          | 3        | 25         | 75         | 100         |
|             | Core Course 15                                                                                                                            | UCMSTA63 | Mechanics                                             | 6          | 3          | 3        | 25         | 75         | 100         |
|             | Discipline Specific Elective 3                                                                                                            | UCMSPE61 | Programming Language C++ with Practicals              | 5          | 3          | 3        | 25         | 75         | 100         |
|             | Discipline Specific Elective 4                                                                                                            | UCMSTE62 | Graph Theory and Applications                         | 5          | 2          | 3        | 25         | 75         | 100         |
| IV          | Professional Competency [Online Exam]                                                                                                     | UCMSOP61 | Mathematics for Competitive Examinations              | 2          | 2          | 3        | 25         | 75         | 100         |
| V           | Extension Activity                                                                                                                        | UCEXAM61 | Extension Activity                                    | -          | 1          | -        | 25         | 75         | 100         |
|             | SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC [ Mandatory Online Course to be eligible for obtaining the UG degree] |          |                                                       |            |            |          |            |            |             |
|             |                                                                                                                                           |          | <b>TOTAL</b>                                          | <b>30</b>  | <b>21</b>  | <b>-</b> | <b>175</b> | <b>525</b> | <b>700</b>  |
|             |                                                                                                                                           |          | <b>Grand Total</b>                                    | <b>180</b> | <b>140</b> | <b>-</b> |            |            | <b>4800</b> |

**PROGRAMME SPECIFIC OUTCOMES FOR B.Sc. PHYSICS**  
**On the completion of this program, the student will be able to**

- PSO1: Explains fundamental principles and concepts in various branches of physics.  
 PSO2: Use the concepts of physics to analyze and solve physical problems.  
 PSO3: Coordinate the physics knowledge through observation.  
 PSO4: Realize, develop an understanding of the impact of physics concepts and carry out independently in a real-life situation.  
 PSO5: Students will develop proficiency in the acquisition of data using a variety of laboratory instruments and analyze, and interpret using relevant software and computers.  
 PSO6: By performing experiments in the laboratories and interpreting findings to draw logical conclusions.  
 PSO7: Discover new ideas in physics, synthesize critically and communicate in scientific forums.  
 PSO8: Able to appear for competitive examinations with confidence and pursue continuously learning through MOOC, ODL and various learning platforms.

**MAPPING OF PROGRAMME-SPECIFIC OUTCOMES WITH PROGRAMME OUTCOMES**

| (PSOs)                                          | Programme Outcomes (POs) |     |     |     |     |     |     |     |     |      |
|-------------------------------------------------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                                                 | PO1                      | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| PSO1                                            | ✓                        | ✓   | ✓   | -   | ✓   | ✓   | ✓   | ✓   | -   | ✓    |
| PSO2                                            | ✓                        | -   | ✓   | -   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO3                                            | ✓                        | ✓   | ✓   | ✓   | ✓   | ✓   | -   | -   | ✓   | -    |
| PSO4                                            | ✓                        | ✓   | -   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO5                                            | ✓                        | ✓   | ✓   | ✓   | ✓   | -   | ✓   | ✓   | ✓   | ✓    |
| PSO6                                            | ✓                        | ✓   | ✓   | ✓   | ✓   | ✓   | -   | -   | ✓   | -    |
| PSO7                                            | ✓                        | ✓   | -   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO8                                            | -                        | -   | ✓   | ✓   | -   | ✓   | -   | ✓   | -   | ✓    |
| Number of Matches = 62 , Correlation: Very High |                          |     |     |     |     |     |     |     |     |      |

**MAPPING CORRELATION BENCHMARK**

| Mapping     | 1-29% | 30-59%   | 60-69% | 70-100%   |
|-------------|-------|----------|--------|-----------|
| Matches     | 1-24  | 25-50    | 51-56  | 57-80     |
| Correlation | Poor  | Moderate | High   | Very High |



| COURSE STRUCTURE FOR B.Sc PHYSICS<br>(For Students admitted from the academic year 2023-2024) |                                                         |             |                                              |           |        |            |     |     |       |
|-----------------------------------------------------------------------------------------------|---------------------------------------------------------|-------------|----------------------------------------------|-----------|--------|------------|-----|-----|-------|
| Part                                                                                          | Category                                                | Course Code | Course Title                                 | Hrs./Week | Credit | Exam. Hrs. | CIA | ESE | TOTAL |
| SEMESTER I                                                                                    |                                                         |             |                                              |           |        |            |     |     |       |
| I                                                                                             | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL11    | Tamil I                                      | 6         | 3      | 3          | 25  | 75  | 100   |
|                                                                                               |                                                         | UCURTL11    | Urdu I                                       |           |        |            |     |     |       |
|                                                                                               |                                                         | UCARTL11    | Arabic I                                     |           |        |            |     |     |       |
|                                                                                               |                                                         | UCHDTL11    | Hindi I                                      |           |        |            |     |     |       |
| II                                                                                            | English                                                 | UCENTL11    | English I                                    | 4         | 3      | 3          | 25  | 75  | 100   |
| III                                                                                           | Core Course 1                                           | UCPYTC11    | Properties of Matter and Acoustics           | 6         | 4      | 3          | 25  | 75  | 100   |
|                                                                                               | Core Course 2                                           | UCPYPC12    | Physics Practical I                          | 3         | 3      | 3          | 25  | 75  | 100   |
|                                                                                               | Elective 1                                              | UCPYTA11    | Allied Chemistry I                           | 4         | 4      | 3          | 25  | 75  | 100   |
| IV                                                                                            | Skill Enhancement Course SEC1                           | UCPYPS11    | Allied Chemistry Practical I                 | 3         | 2      | 3          | 25  | 75  | 100   |
|                                                                                               | Foundation Course                                       | UCPYTF11    | Physics for Everyday Life                    | 2         | 2      | 2          | 25  | 75  | 100   |
|                                                                                               | Ability Enhancement Compulsory Course AEC1              | UCSSTM11    | Soft Skill I                                 | 2         | 2      | 3          | 25  | 75  | 100   |
|                                                                                               |                                                         |             | TOTAL                                        | 30        | 23     | -          | 200 | 600 | 800   |
| SEMESTER II                                                                                   |                                                         |             |                                              |           |        |            |     |     |       |
| I                                                                                             | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL21    | Tamil II                                     | 6         | 3      | 3          | 25  | 75  | 100   |
|                                                                                               |                                                         | UCURTL21    | Urdu II                                      |           |        |            |     |     |       |
|                                                                                               |                                                         | UCARTL21    | Arabic II                                    |           |        |            |     |     |       |
|                                                                                               |                                                         | UCHDTL21    | Hindi II                                     |           |        |            |     |     |       |
| II                                                                                            | English                                                 | UCENTL21    | English II                                   | 4         | 3      | 3          | 25  | 75  | 100   |
| III                                                                                           | Core Course 3                                           | UCPYTC21    | Heat, Thermodynamics and Statistical Physics | 6         | 5      | 3          | 25  | 75  | 100   |
|                                                                                               | Core Course 4                                           | UCPYPC22    | Physics Practical II                         | 3         | 3      | 3          | 25  | 75  | 100   |
|                                                                                               | Elective 2                                              | UCPYTA21    | Allied Chemistry II                          | 4         | 3      | 3          | 25  | 75  | 100   |
| IV                                                                                            | Skill Enhancement Course SEC2                           | UCPYPS21    | Allied Chemistry Practical II                | 3         | 2      | 3          | 25  | 75  | 100   |
|                                                                                               | Skill Enhancement Course SEC3                           | UCPYTS22    | Physics of Medical Instruments               | 2         | 2      | 2          | 25  | 75  | 100   |
|                                                                                               | Ability Enhancement Compulsory Course AEC2              | UCSSTM21    | Soft Skill II                                | 2         | 2      | 3          | 25  | 75  | 100   |
|                                                                                               |                                                         |             | TOTAL                                        | 30        | 23     | -          | 200 | 600 | 800   |

| SEMESTER III |                                                         |          |                          |    |    |   |     |     |     |
|--------------|---------------------------------------------------------|----------|--------------------------|----|----|---|-----|-----|-----|
| I            | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL31 | Tamil III                | 6  | 3  | 3 | 25  | 75  | 100 |
|              |                                                         | UCURTL31 | Urdu III                 |    |    |   |     |     |     |
|              |                                                         | UCARTL31 | Arabic III               |    |    |   |     |     |     |
|              |                                                         | UCHDTL31 | Hindi III                |    |    |   |     |     |     |
| II           | English                                                 | UCENTL31 | English III              | 4  | 3  | 3 | 25  | 75  | 100 |
| III          | Core Course 5                                           | UCPYTC31 | Mechanics                | 4  | 4  | 3 | 25  | 75  | 100 |
|              | Core Course 6                                           | UCPYPC32 | Physics Practical III    | 3  | 3  | 3 | 25  | 75  | 100 |
|              | Elective 3                                              | UCPYTA31 | Allied Mathematics I     | 5  | 3  | 3 | 25  | 75  | 100 |
| IV           | Skill Enhancement Course SEC4                           | UCPYP531 | Allied Mathematics Lab I | 3  | 3  | 3 | 25  | 75  | 100 |
|              | Skill Enhancement Course SEC5 [Online Exam]             | UCPYOS32 | Energy Physics           | 2  | 1  | 2 | 25  | 75  | 100 |
|              | Ability Enhancement Compulsory Course AEC3              | UCSSTM31 | Soft Skill III           | 2  | 2  | 3 | 25  | 75  | 100 |
|              | EVS [Handled by Allied Dept]                            |          | Environmental Studies    | 1  | -  | - | -   | -   | -   |
|              |                                                         |          | TOTAL                    | 30 | 22 | - | 200 | 600 | 800 |

| SEMESTER IV |                                                         |          |                              |   |   |   |    |    |     |
|-------------|---------------------------------------------------------|----------|------------------------------|---|---|---|----|----|-----|
| I           | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL41 | Tamil IV                     | 6 | 3 | 3 | 25 | 75 | 100 |
|             |                                                         | UCURTL41 | Urdu IV                      |   |   |   |    |    |     |
|             |                                                         | UCARTL41 | Arabic IV                    |   |   |   |    |    |     |
|             |                                                         | UCHDTL41 | Hindi IV                     |   |   |   |    |    |     |
| II          | English                                                 | UCENTL41 | English I                    | 4 | 3 | 3 | 25 | 75 | 100 |
| III         | Core Course 7                                           | UCPYTC41 | Optics and Laser Physics     | 4 | 4 | 3 | 25 | 75 | 100 |
|             | Core Course 8                                           | UCPYPC42 | Physics Practical IV         | 3 | 3 | 3 | 25 | 75 | 100 |
|             | Elective 4                                              | UCPYTA41 | Allied Mathematics II        | 5 | 4 | 3 | 25 | 75 | 100 |
|             | Skill Enhancement Course SEC6                           | UCPYP541 | Allied Mathematics Lab II    | 3 | 2 | 3 | 25 | 75 | 100 |
| IV          | Skill Enhancement Course SEC7                           | UCPYTS42 | Home Electrical Installation | 2 | 2 | 3 | 25 | 75 | 100 |
|             | Ability Enhancement Compulsory Course AEC4              | UCSSTM41 | Soft Skill IV                | 2 | 2 | 3 | 25 | 75 | 100 |

|             |                                                                                                                                           |          |                                             |     |     |   |      |      |      |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------|-----|-----|---|------|------|------|
|             | EVS [Handled By Allied Dept.] [Online Exam]                                                                                               | UCESOM41 | Environmental Studies                       | 1   | 2   | 2 | 25   | 75   | 100  |
|             |                                                                                                                                           |          | TOTAL                                       | 30  | 25  | - | 225  | 675  | 900  |
| SEMESTER V  |                                                                                                                                           |          |                                             |     |     |   |      |      |      |
| III         | Core Course 9                                                                                                                             | UCPYTC51 | Electricity, Magnetism and Electromagnetism | 5   | 4   | 3 | 25   | 75   | 100  |
|             | Core Course 10                                                                                                                            | UCPYTC52 | Atomic and Nuclear Physics                  | 5   | 4   | 3 | 25   | 75   | 100  |
|             | Core Course 11                                                                                                                            | UCPYJC53 | Project with Viva – Voce                    | 5   | 4   | 3 | 25   | 75   | 100  |
|             | Core Course 12                                                                                                                            | UCPYPC54 | General Physics Practical V                 | 3   | 3   | 3 | 25   | 75   | 100  |
|             | Discipline Specific Elective 1                                                                                                            | UCPYPE51 | Electronics Practical I                     | 3   | 3   | 3 | 25   | 75   | 100  |
|             |                                                                                                                                           | UCPYTE51 | Applied Electronics                         | 5   | 4   | 3 | 25   | 75   | 100  |
| IV          | VED [Online Exam]                                                                                                                         | UCVEOM51 | Value Education                             | 2   | 2   | 2 | 25   | 75   | 100  |
|             | Summer Internship/ Industrial Training (30 Hours)                                                                                         | UCPYIM51 | Internship/Industrial Training              | 2   | 2   | 3 | 25   | 75   | 100  |
|             |                                                                                                                                           |          | TOTAL                                       | 30  | 26  | - | 200  | 600  | 800  |
| SEMESTER VI |                                                                                                                                           |          |                                             |     |     |   |      |      |      |
| III         | Core Course 13                                                                                                                            | UCPYTC61 | Quantum Mechanics                           | 6   | 4   | 3 | 25   | 75   | 100  |
|             | Core Course 14                                                                                                                            | UCPYTC62 | Solid State Physics                         | 6   | 4   | 3 | 25   | 75   | 100  |
|             | Core Course 15                                                                                                                            | UCPYPC63 | Physics Practical VI                        | 5   | 3   | 3 | 25   | 75   | 100  |
|             | Discipline Specific Elective 2                                                                                                            | UCPYPE61 | Electronics Practical II                    | 5   | 3   | 3 | 25   | 75   | 100  |
|             |                                                                                                                                           | UCPYTE62 | Digital Electronics and Microprocessor 8085 | 6   | 4   | 3 | 25   | 75   | 100  |
| IV          | Professional Competency [Online Exam]                                                                                                     | UCPYOP61 | Physics for Competitive Examinations        | 2   | 2   | 3 | 25   | 75   | 100  |
| V           | Extension Activity                                                                                                                        | UCEXAM61 | Extension Activity                          | -   | 1   | - | 25   | 75   | 100  |
|             | SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC [ Mandatory Online Course to be eligible for obtaining the UG degree] |          |                                             |     |     |   |      |      |      |
|             |                                                                                                                                           |          | TOTAL                                       | 30  | 21  | - | 200  | 600  | 700  |
|             |                                                                                                                                           |          | Grand Total                                 | 180 | 140 | - | 1200 | 3600 | 4800 |

**PROGRAMME SPECIFIC OUTCOMES FOR B.Sc. CHEMISTRY**

On successful completion of the Bachelor of Physics with Computer Applications programme, the student should be able to:

PSO1: Disciplinary Knowledge:

Understand the fundamental principles, concepts, and theories related to physics and computer science. Also, exhibit proficiency in performing experiments in the laboratory.

PSO2: Critical Thinking:

Analyse complex problems, evaluate information, synthesize information, apply theoretical concepts to practical situations, identify assumptions and biases, make informed decisions and communicate effectively

PSO3: Problem Solving:

Employ theoretical concepts and critical reasoning ability with physical, mathematical and technical skills to solve problems, acquire data, analyze their physical significance and explore new design possibilities.

PSO4: Analytical & Scientific Reasoning:

Apply scientific methods, collect and analyse data, test hypotheses, evaluate evidence, apply statistical techniques and use computational models.

PSO5: Research-related skills:

Formulate research questions, conduct literature reviews, design and execute research studies, communicate research findings and collaborate in research projects.

PSO6: Self-directed & Lifelong Learning:

Set learning goals, manage their learning, reflect on their learning, adapt to new contexts, seek out new knowledge, collaborate with others and continuously improve their skills and knowledge, through ongoing learning and professional development, and contribute to the growth and development of their field.

**PROGRAMME-SPECIFIC OUTCOMES (PSO)**

**ON COMPLETION OF THE B.SC CHEMISTRY PROGRAMME, THE STUDENTS WILL BE ABLE TO:**

|      |                                                                                                                                                                |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PSO1 | Utilize his knowledge and interest after studying chemistry as a discipline by summarizing the basic facts and concepts learnt from theory and practical work. |
| PSO2 | Apply principles, theories and techniques of the core subjects to another discipline.                                                                          |
| PSO3 | Apply the recent developments in chemistry to the welfare of nature and society.                                                                               |
| PSO4 | Get job opportunities as a chemist by his understanding of industrial process development and its applications.                                                |
| PSO5 | Pursue his higher education in various interdisciplinary subjects connected with technology and research.                                                      |
| PSO6 | Handle chemicals, apparatus and instruments with proper analytical tools.                                                                                      |
| PSO7 | Solve the problems arising out of industrial production and environmental pollution.                                                                           |
| PSO8 | Explore the knowledge of reactions, processes and their applications as an entrepreneur.                                                                       |

**MAPPING OF PROGRAMME-SPECIFIC OUTCOMES WITH PROGRAMME OUTCOMES**

| Program-Specific Outcomes (PSOs)               | Program Outcomes (POs) |     |     |     |     |     |     |     |     |      |
|------------------------------------------------|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                                                | PO1                    | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| PSO1                                           | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO2                                           | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO3                                           | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     | ✓    |
| PSO4                                           | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     |      |
| PSO5                                           | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO6                                           | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     |      |
| PSO7                                           | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     | ✓    |
| PSO8                                           | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     | ✓    |
| Number of matches = 73, Correlation: Very High |                        |     |     |     |     |     |     |     |     |      |

## MAPPING CORRELATION BENCHMARK

| Mapping     | 1-30% | 31-60%   | 61-70% | 71-100%   |
|-------------|-------|----------|--------|-----------|
| Matches     | 1-24  | 25-50    | 51-56  | 57-80     |
| Correlation | Poor  | Moderate | High   | Very High |

| COURSE STRUCTURE FOR B.Sc. CHEMISTRY<br>(For Students admitted from the academic year 2023-2024) |                                                         |             |                                                                                         |           |        |            |     |     |       |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------|-----------|--------|------------|-----|-----|-------|
| Part                                                                                             | Category                                                | Course Code | Course Title                                                                            | Hrs./Week | Credit | Exam. Hrs. | CIA | ESE | TOTAL |
| SEMESTER I                                                                                       |                                                         |             |                                                                                         |           |        |            |     |     |       |
| I                                                                                                | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL11    | Tamil I                                                                                 | 6         | 3      | 3          | 25  | 75  | 100   |
|                                                                                                  |                                                         | UCURTL11    | Urdu I                                                                                  |           |        |            |     |     |       |
|                                                                                                  |                                                         | UCARTL11    | Arabic I                                                                                |           |        |            |     |     |       |
|                                                                                                  |                                                         | UCHDTL11    | Hindi I                                                                                 |           |        |            |     |     |       |
| II                                                                                               | English                                                 | UCENTL11    | English I                                                                               | 4         | 3      | 3          | 25  | 75  | 100   |
| III                                                                                              | Core Course 1                                           | UCCHTC11    | General Chemistry I                                                                     | 6         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                  | Core Course 2                                           | UCCHPC12    | Practical I - Quantitative Inorganic Estimation (Titrimetry) and Inorganic Preparations | 3         | 3      | 3          | 25  | 75  | 100   |
|                                                                                                  | Elective 1                                              | UCCHTA11    | Allied Physics I                                                                        | 4         | 4      | 3          | 25  | 75  | 100   |
| IV                                                                                               | Skill Enhancement Course SEC1                           | UCCHPS11    | Allied Physics Practical I                                                              | 3         | 2      | 3          | 25  | 75  | 100   |
|                                                                                                  | Foundation Course                                       | UCCHTF11    | Role of Chemistry in daily life                                                         | 2         | 2      | 2          | 25  | 75  | 100   |
|                                                                                                  | Ability Enhancement Compulsory Course AEC1              | UCSSTM11    | Soft Skill I                                                                            | 2         | 2      | 3          | 25  | 75  | 100   |
|                                                                                                  |                                                         |             | TOTAL                                                                                   | 30        | 23     | -          | 200 | 600 | 800   |
| SEMESTER II                                                                                      |                                                         |             |                                                                                         |           |        |            |     |     |       |
| I                                                                                                | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL21    | Tamil II                                                                                | 6         | 3      | 3          | 25  | 75  | 100   |
|                                                                                                  |                                                         | UCURTL21    | Urdu II                                                                                 |           |        |            |     |     |       |
|                                                                                                  |                                                         | UCARTL21    | Arabic II                                                                               |           |        |            |     |     |       |
|                                                                                                  |                                                         | UCHDTL21    | Hindi II                                                                                |           |        |            |     |     |       |
| II                                                                                               | English                                                 | UCENTL21    | English II                                                                              | 4         | 3      | 3          | 25  | 75  | 100   |
| III                                                                                              | Core Course 3                                           | UCCHTC21    | General Chemistry II                                                                    | 6         | 5      | 3          | 25  | 75  | 100   |

|              |                                                          |                   |                                                                                 |    |    |   |     |     |     |
|--------------|----------------------------------------------------------|-------------------|---------------------------------------------------------------------------------|----|----|---|-----|-----|-----|
|              | Core Course 4                                            | UCCHPC22          | Practical II – Qualitative Organic Analysis and Preparation of Organic Compound | 3  | 3  | 3 | 25  | 75  | 100 |
|              | Elective 2                                               | UCCHTA21          | Allied Physics II                                                               | 4  | 3  | 3 | 25  | 75  | 100 |
| IV           | Skill Enhancement Course SEC2                            | UCCHPS21          | Allied Physics Practical II                                                     | 3  | 2  | 3 | 25  | 75  | 100 |
|              | Skill Enhancement Course SEC3 [Allied Dept]              | UCCHTS22          | Diary Chemistry                                                                 | 2  | 2  | 2 | 25  | 75  | 100 |
|              | Ability Enhancement Compulsory Course AEC2               | UCSSTM21          | Soft Skill II                                                                   | 2  | 2  | 3 | 25  | 75  | 100 |
|              |                                                          |                   | TOTAL                                                                           | 30 | 23 | - | 200 | 600 | 800 |
| SEMESTER III |                                                          |                   |                                                                                 |    |    |   |     |     |     |
| I            | Generic Elective Tamil/ Language (To choose 1 out of 4)  | UCTATL31          | Tamil III                                                                       | 6  | 3  | 3 | 25  | 75  | 100 |
|              |                                                          | UCURTL31          | Urdu III                                                                        |    |    |   |     |     |     |
|              |                                                          | UCARTL31          | Arabic III                                                                      |    |    |   |     |     |     |
|              |                                                          | UCHDTL31          | Hindi III                                                                       |    |    |   |     |     |     |
| II           | English                                                  | UCENTL31          | English III                                                                     | 4  | 3  | 3 | 25  | 75  | 100 |
| III          | Core Course 5                                            | UCCHTC31          | General Chemistry III                                                           | 4  | 4  | 3 | 25  | 75  | 100 |
|              | Core Course 6                                            | UCCHPC32          | Practical III – Qualitative Inorganic Analysis                                  | 3  | 3  | 3 | 25  | 75  | 100 |
|              | Elective 3                                               | UCCHTA31/UCCHTA32 | Allied Mathematics I/Allied Zoology I                                           | 5  | 4  | 3 | 25  | 75  | 100 |
| IV           | Skill Enhancement Course SEC4                            | UCCHPS31/UCCHPS32 | Allied Mathematics Practical I /Allied Zoology Practical I                      | 3  | 2  | 3 | 25  | 75  | 100 |
|              | Skill Enhancement Course SEC5 [Major Dept] [Online Exam] | UCCHOS31          | Pesticide Chemistry                                                             | 2  | 1  | 2 | 25  | 75  | 100 |
|              | EVS [Allied Dept]                                        |                   | Environmental Studies                                                           | 1  | -  | - | -   | -   | -   |
|              | Ability Enhancement Compulsory Course AEC3               | UCSSTM31          | Soft Skill III                                                                  | 2  | 2  | 3 | 25  | 75  | 100 |
|              |                                                          |                   | TOTAL                                                                           | 30 | 22 | - | 200 | 600 | 800 |

|             |                                                         |          |            |   |   |   |    |    |     |
|-------------|---------------------------------------------------------|----------|------------|---|---|---|----|----|-----|
| SEMESTER IV |                                                         |          |            |   |   |   |    |    |     |
| I           | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL41 | Tamil IV   | 6 | 3 | 3 | 25 | 75 | 100 |
|             |                                                         | UCURTL41 | Urdu IV    |   |   |   |    |    |     |
|             |                                                         | UCARTL41 | Arabic IV  |   |   |   |    |    |     |
|             |                                                         | UCHDTL41 | Hindi IV   |   |   |   |    |    |     |
| II          | English                                                 | UCENTL41 | English IV | 4 | 3 | 3 | 25 | 75 | 100 |

|             |                                                  |                        |                                                                      |    |    |   |     |     |     |
|-------------|--------------------------------------------------|------------------------|----------------------------------------------------------------------|----|----|---|-----|-----|-----|
| III         | Core Course 7                                    | UCCHTC41               | General Chemistry IV                                                 | 4  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 8                                    | UCCHPC42               | Practical: Physical Chemistry I                                      | 3  | 3  | 3 | 25  | 75  | 100 |
|             | Elective 4                                       | UCCHTA41/<br>UCCHTA42  | Allied Mathematics II/Allied Zoology II                              | 5  | 4  | 3 | 25  | 75  | 100 |
| IV          | Skill Enhancement Course SEC6                    | UCCHSP41/<br>UCCHSP42  | Allied Mathematics Practical II/Allied Zoology Practical II          | 3  | 2  | 3 | 25  | 75  | 100 |
|             | Skill Enhancement Course SEC7 [Major Dept]       | UCCHTS43               | Instrumental methods of Chemical Science                             | 2  | 2  | 2 | 25  | 75  | 100 |
|             | EVS [Major Dept] [Online Exam]                   | UCESOM41               | Environmental Studies                                                | 1  | 2  | 2 | 25  | 75  | 100 |
|             | Ability Enhancement Compulsory Course AEC4       | UCSSTM41               | Soft Skill IV                                                        | 2  | 2  | 3 | 25  | 75  | 100 |
|             |                                                  |                        | TOTAL                                                                | 30 | 25 | - | 225 | 675 | 900 |
| SEMESTER V  |                                                  |                        |                                                                      |    |    |   |     |     |     |
| III         | Core Course 9                                    | UCCHTC51               | Organic Chemistry I                                                  | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 10                                   | UCCHTC52               | Inorganic Chemistry I                                                | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 11                                   | UCCHTC53               | Physical Chemistry I                                                 | 4  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 12                                   | UCCHJC53               | Project with Viva-Voce                                               | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Discipline Specific Elective 1                   | UCCHTE51 /<br>UCCHTE53 | Industrial Chemistry/<br>Leather Chemistry<br>Entrepreneurial Skills | 4  | 3  | 3 | 25  | 75  | 100 |
|             | Discipline Specific Elective 2                   | UCCHTE53/<br>UCCHTE54  | Pharmaceutical Chemistry/<br>Biochemistry                            | 3  | 3  | 3 | 25  | 75  | 100 |
| IV          | VED [Online Course]                              | UCVEOM51               | Value Education                                                      | 2  | 2  | 2 | 25  | 75  | 100 |
|             | Summer Internship/Industrial Training (30 Hours) | UCCHIM51               | Internship/Industrial Training                                       | 2  | 2  | 3 | 25  | 75  | 100 |
|             |                                                  |                        | TOTAL                                                                | 30 | 26 | - | 200 | 600 | 800 |
| SEMESTER VI |                                                  |                        |                                                                      |    |    |   |     |     |     |
| III         | Core Course 13                                   | UCCHTC61               | Organic Chemistry II                                                 | 6  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 14                                   | UCCHTC62               | Inorganic Chemistry II                                               | 6  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 15                                   | UCCHPC63               | Practical: Gravimetric Analysis                                      | 5  | 3  | 3 | 25  | 75  | 100 |
|             | Discipline Specific Elective 3                   | UCCHTE61 /<br>UCCHTE62 | Physical Chemistry II /<br>Nanoscience                               | 6  | 4  | 3 | 25  | 75  | 100 |
|             | Discipline Specific Elective 4                   | UCCHTE63 /<br>UCCHTE64 | Fundamentals of Spectroscopy/<br>Polymer Science                     | 5  | 3  | 3 | 25  | 75  | 100 |
| IV          | Professional Competency [Online Exam]            | UCCHOP61               | General Awareness for Competitive Examinations                       | 2  | 2  | 2 | 25  | 75  | 100 |

| V | Extension Activity                                                                                                                        | UCEXAM61 | Extension Activity | -          | 1          | -        | 25         | 75         | 100         |
|---|-------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------|------------|------------|----------|------------|------------|-------------|
|   | SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC [ Mandatory Online Course to be eligible for obtaining the UG degree] |          |                    |            |            |          |            |            |             |
|   |                                                                                                                                           |          | <b>TOTAL</b>       | <b>30</b>  | <b>21</b>  | <b>-</b> | <b>175</b> | <b>525</b> | <b>700</b>  |
|   |                                                                                                                                           |          | <b>Grand Total</b> | <b>180</b> | <b>140</b> | <b>-</b> |            |            | <b>4800</b> |

### PROGRAMME OUTCOMES FOR B.Sc. BIOCHEMISTRY & BIOTECHNOLOGY

#### PROGRAMME OUTCOMES:

PO1: Disciplinary knowledge: Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of an undergraduate Programme of study

PO2: Communication Skills: Ability to express thoughts and ideas effectively in writing and orally; Communicate with others using appropriate media; confidently share one's views and express herself/himself; demonstrate the ability to listen carefully, read and write analytically, and present complex information clearly and concisely to different groups.

PO3: Critical thinking: Capability to apply analytic thought to a body of knowledge; analyse and evaluate evidence, arguments, claims, and beliefs based on empirical evidence; identify relevant assumptions or implications; formulate coherent arguments; critically evaluate practices, policies and theories by following a scientific approach to knowledge development.

PO4: Problem-solving: Capacity to extrapolate from what one has learned and apply competencies to solve different kinds of non-familiar problems, rather than replicate curriculum content knowledge; and apply one's learning to real-life situations.

PO5: Analytical reasoning: Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with evidence and examples, and address opposing viewpoints.

PO6: Research-related skills: A sense of inquiry and capability for asking relevant/appropriate questions, problem arising, synthesising and articulating; Ability to recognise cause-and-effect relationships, define problems, formulate hypotheses, test hypotheses, analyse, interpret and draw conclusions from data, establish hypotheses, predict cause-and-effect relationships; ability to plan, execute and report the results of an experiment or investigation

PO7: Cooperation/Teamwork: Ability to work effectively and respectfully with diverse teams; facilitate cooperative or coordinated effort on the part of a group, and act together as a group or a team in the interests of a common cause and work efficiently as a member of a team

PO8: Scientific reasoning: Ability to analyse, interpret and draw conclusions from quantitative/qualitative data; and critically evaluate ideas, evidence and experiences from an open-minded and reasoned perspective.

PO9: Reflective thinking: Critical sensibility to lived experiences, with self-awareness and reflexivity of both self and society.

PO10 Information/digital literacy: Capability to use ICT in a variety of learning situations, demonstrate ability to access, evaluate, and use a variety of relevant information sources; and use appropriate software for analysis of data.



**PROGRAMME SPECIFIC OUT COMES FOR B.Sc. BIOCHEMISTRY****PROGRAMME-SPECIFIC OUTCOMES FOR B.Sc. BIOCHEMISTRY  
ON THE COMPLETION OF THIS PROGRAM THE STUDENT WILL BE ABLE TO**

PSO1-Comprehend the knowledge in the biochemical, analytical, biostatistical and computational areas.

PSO2-Understand the fundamental biochemical principles such as the structure-function relationship of Biomolecules/metabolic pathways with their clinical correlation.

PSO3- Demonstrate an understanding of the principle and have practical experience with the analytical techniques in life science.

PSO4- Analyse biochemical data (eg: enzyme kinetics, molecular structure analysis and biological databases), use of software and ICT tools.

PSO5- Explain the biochemical process that underlines the relationship between phenotype and genotype, the structural organization of genetic material, their experience and control.

PSO6- Acquire lifelong self-learning habits through online courses, and the ability to plan and manage projects to achieve the objectives.

PSO7- Develop ethical and moral values in the profession, environmental and social responsibilities, and multi-level commitment to health and well-being.

PSO8- Appreciate and execute their professional roles in society as biochemistry professionals, employers and employees in various industries, researchers and educators.

**MAPPING OF PROGRAMME-SPECIFIC OUTCOMES WITH PROGRAMME  
OUTCOMES FOR B.Sc BIOCHEMISTRY**

|      | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| PSO1 | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     | ✓   |     | ✓    |
| PSO2 | ✓   | ✓   |     |     |     | ✓   |     | ✓   |     |      |
| PSO3 | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     | ✓   |     |      |
| PSO4 | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     | ✓   |     | ✓    |
| PSO5 | ✓   | ✓   | ✓   | ✓   |     | ✓   |     | ✓   |     |      |
| PSO6 |     | ✓   | ✓   | ✓   |     | ✓   |     | ✓   | ✓   | ✓    |
| PSO7 |     |     | ✓   |     |     | ✓   | ✓   | ✓   | ✓   |      |
| PSO8 |     |     |     | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |      |

|             |          |
|-------------|----------|
| Mapping     | 61 – 70% |
| Matches     | 51       |
| Correlation | High     |

**Mapping Correlation Benchmark**

| Mapping     | 1-30% | 31-60%   | 61-70% | 71-100%   |
|-------------|-------|----------|--------|-----------|
| Matches     | 1-24  | 25-50    | 51-56  | 57-80     |
| Correlation | Poor  | Moderate | High   | Very High |

| COURSE STRUCTURE FOR B.Sc. BIOCHEMISTRY<br>(For Students admitted from the academic year 2023-2024) |                                                         |             |                                  |           |        |       |     |     |       |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------|-------------|----------------------------------|-----------|--------|-------|-----|-----|-------|
| Part                                                                                                | Category                                                | Course Code | Course Title                     | Hrs./Week | Credit | Exam. | CIA | ESE | TOTAL |
| SEMESTER I                                                                                          |                                                         |             |                                  |           |        |       |     |     |       |
| I                                                                                                   | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL11    | Tamil I                          | 6         | 3      | 3     | 25  | 75  | 100   |
|                                                                                                     |                                                         | UCURTL11    | Urdu I                           |           |        |       |     |     |       |
|                                                                                                     |                                                         | UCARTL11    | Arabic I                         |           |        |       |     |     |       |
|                                                                                                     |                                                         | UCHDTL11    | Hindi I                          |           |        |       |     |     |       |
| II                                                                                                  | English                                                 | UCENTL11    | English I                        | 4         | 3      | 3     | 25  | 75  | 100   |
| III                                                                                                 | Core Course 1                                           | UCBITC11    | Nutrition Biochemistry           | 6         | 4      | 3     | 25  | 75  | 100   |
|                                                                                                     | Core Course 2                                           | UCBIPC12    | Nutrition Biochemistry Practical | 3         | 3      | 3     | 25  | 75  | 100   |
|                                                                                                     | Elective 1                                              | UCBITA11    | Allied Chemistry I               | 4         | 4      | 3     | 25  | 75  | 100   |
| IV                                                                                                  | Skill Enhancement Course SEC1                           | UCBIPS11    | Allied Chemistry Practical I     | 3         | 2      | 3     | 25  | 75  | 100   |
|                                                                                                     | Foundation Course                                       | UCBITF11    | Basics in Biochemistry           | 2         | 2      | 2     | 25  | 75  | 100   |
|                                                                                                     | Ability Enhancement Compulsory Course AEC1              | UCSSTM11    | Soft Skill I                     | 2         | 2      | 3     | 25  | 75  | 100   |
|                                                                                                     |                                                         |             | TOTAL                            | 30        | 23     | -     | 200 | 600 | 800   |
| SEMESTER II                                                                                         |                                                         |             |                                  |           |        |       |     |     |       |
| I                                                                                                   | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL21    | Tamil II                         | 6         | 3      | 3     | 25  | 75  | 100   |
|                                                                                                     |                                                         | UCURTL21    | Urdu II                          |           |        |       |     |     |       |
|                                                                                                     |                                                         | UCARTL21    | Arabic II                        |           |        |       |     |     |       |
|                                                                                                     |                                                         | UCHDTL21    | Hindi II                         |           |        |       |     |     |       |
| II                                                                                                  | English                                                 | UCENTL21    | English II                       | 4         | 3      | 3     | 25  | 75  | 100   |
| III                                                                                                 | Core Course 3                                           | UCBITC21    | Cell Biology                     | 6         | 5      | 3     | 25  | 75  | 100   |
|                                                                                                     | Core Course 4                                           | UCBIPC22    | Cell Biology Practical           | 3         | 3      | 3     | 25  | 75  | 100   |
|                                                                                                     | Elective 2                                              | UCBITA21    | Allied Chemistry II              | 4         | 3      | 3     | 25  | 75  | 100   |
| IV                                                                                                  | Skill Enhancement Course SEC2                           | UCBIPS21    | Allied Chemistry Practical II    | 3         | 2      | 3     | 25  | 75  | 100   |
|                                                                                                     | Skill Enhancement Course SEC3 [Allied Dept]             | UCBITS22    | Health and Nutrition             | 2         | 2      | 2     | 25  | 75  | 100   |
|                                                                                                     | Ability Enhancement Compulsory Course AEC2              | UCSSTM21    | Soft Skill II                    | 2         | 2      | 3     | 25  | 75  | 100   |
|                                                                                                     |                                                         |             | TOTAL                            | 30        | 23     | -     | 200 | 600 | 800   |

| SEMESTER III |                                                           |          |                            |    |    |   |     |     |     |
|--------------|-----------------------------------------------------------|----------|----------------------------|----|----|---|-----|-----|-----|
| I            | Generic Elective Tamil/ Language (To choose 1 out of 4)   | UCTATL31 | Tamil III                  | 6  | 3  | 3 | 25  | 75  | 100 |
|              |                                                           | UCURTL31 | Urdu III                   |    |    |   |     |     |     |
|              |                                                           | UCARTL31 | Arabic III                 |    |    |   |     |     |     |
|              |                                                           | UCHDTL31 | Hindi III                  |    |    |   |     |     |     |
| II           | English                                                   | UCENTL31 | English III                | 4  | 3  | 3 | 25  | 75  | 100 |
| III          | Core Course 5                                             | UCBITC31 | Biomolecules               | 4  | 4  | 3 | 25  | 75  | 100 |
|              | Core Course 6                                             | UCBIPC32 | Biomolecules Practical     | 3  | 3  | 3 | 25  | 75  | 100 |
|              | Elective 3                                                | UCBITA31 | Allied Zoology I           | 5  | 3  | 3 | 25  | 75  | 100 |
| IV           | Skill Enhancement Course SEC4                             | UCBIPS31 | Allied Zoology Practical I | 3  | 3  | 3 | 25  | 75  | 100 |
|              | Skill Enhancement Course SEC5 [Allied Dept] [Online Exam] | UCBIOS32 | Tissue Culture             | 1  | 1  | 2 | 25  | 75  | 100 |
|              | EVS [Major Dept]                                          |          | Environmental Studies      | 1  | -  | - | -   | -   | -   |
|              | Ability Enhancement Compulsory Course AEC3                | UCSSTM31 | Soft Skill III             | 2  | 2  | 3 | 25  | 75  | 100 |
|              |                                                           |          | TOTAL                      | 30 | 22 | - | 200 | 600 | 800 |

| SEMESTER IV |                                                         |          |                                  |   |   |   |    |    |     |
|-------------|---------------------------------------------------------|----------|----------------------------------|---|---|---|----|----|-----|
| I           | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL41 | Tamil IV                         | 6 | 3 | 3 | 25 | 75 | 100 |
|             |                                                         | UCURTL41 | Urdu IV                          |   |   |   |    |    |     |
|             |                                                         | UCARTL41 | Arabic IV                        |   |   |   |    |    |     |
|             |                                                         | UCHDTL41 | Hindi IV                         |   |   |   |    |    |     |
| II          | English                                                 | UCENTL41 | English IV                       | 4 | 3 | 3 | 25 | 75 | 100 |
| III         | Core Course 7                                           | UCBITC41 | Biochemical Techniques           | 5 | 4 | 3 | 25 | 75 | 100 |
|             | Core Course 8                                           | UCBIPC42 | Biochemical Techniques Practical | 3 | 3 | 3 | 25 | 75 | 100 |
|             | Elective 4                                              | UCBITA41 | Allied Zoology II                | 4 | 4 | 3 | 25 | 75 | 100 |
| IV          | Skill Enhancement Course SEC6                           | UCBIPS41 | Allied Zoology Practical II      | 3 | 2 | 3 | 25 | 75 | 100 |
|             | Skill Enhancement Course SEC7 [Allied Dept]             | UCBITS42 | Medical Coding                   | 2 | 2 | 2 | 25 | 75 | 100 |
|             | EVS [Major Dept] [Online Exam]                          | UCESOM41 | Environmental Studies            | 1 | 2 | 2 | 25 | 75 | 100 |
|             | Ability Enhancement                                     | UCSSTM41 | Soft Skill IV                    | 2 | 2 | 3 | 25 | 75 | 100 |

|                                                                                                                                            |                                                  |                        |                                                             |     |     |   |      |      |      |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------|-------------------------------------------------------------|-----|-----|---|------|------|------|
|                                                                                                                                            | Compulsory Course AEC4                           |                        |                                                             |     |     |   |      |      |      |
|                                                                                                                                            |                                                  |                        | TOTAL                                                       | 30  | 25  | - | 225  | 675  | 900  |
| SEMESTER V                                                                                                                                 |                                                  |                        |                                                             |     |     |   |      |      |      |
| III                                                                                                                                        | Core Course 9                                    | UCBITC51               | Enzymes                                                     | 5   | 4   | 3 | 25   | 75   | 100  |
|                                                                                                                                            | Core Course 10                                   | UCBITC52               | Clinical Biochemistry                                       | 5   | 4   | 3 | 25   | 75   | 100  |
|                                                                                                                                            | Core Course 11                                   | UCBIPC53               | Clinical Biochemistry Practical                             | 4   | 3   | 6 | 25   | 75   | 100  |
|                                                                                                                                            | Core Course 12                                   | UCBIJC54               | Project with Viva-voce                                      | 5   | 4   | 3 | 25   | 75   | 100  |
|                                                                                                                                            | Discipline Specific Elective 1                   | UCBITE51/<br>UCBITE52/ | Immunology/Biochemical Pharmacology                         | 4   | 4   | 3 | 25   | 75   | 100  |
|                                                                                                                                            |                                                  | UCBITE53/<br>UCBITE54  | Plant Biochemistry & Plant Therapeutic/Research Methodology | 3   | 3   | 3 | 25   | 75   | 100  |
| IV                                                                                                                                         | VED [Online Exam]                                | UCVEOM51               | Value Education                                             | 2   | 2   | 3 | 25   | 75   | 100  |
|                                                                                                                                            | Summer Internship/Industrial Training (30 Hours) | UCBIIM51               | Internship/Industrial Training                              | 2   | 2   | 3 | 25   | 75   | 100  |
|                                                                                                                                            |                                                  |                        | TOTAL                                                       | 30  | 26  | - | 200  | 600  | 800  |
| SEMESTER VI                                                                                                                                |                                                  |                        |                                                             |     |     |   |      |      |      |
| III                                                                                                                                        | Core Course 13                                   | UCBITC61               | Molecular Biology                                           | 6   | 4   | 3 | 25   | 75   | 100  |
|                                                                                                                                            | Core Course 14                                   | UCBITC62               | Human Physiology                                            | 6   | 4   | 3 | 25   | 75   | 100  |
|                                                                                                                                            | Core Course 15                                   | UCBITC63               | Intermediary Metabolism                                     | 6   | 4   | 3 | 25   | 75   | 100  |
|                                                                                                                                            | Discipline Specific Elective 3                   | UCBITE61/<br>UCBITE62/ | Biotechnology/<br>Bioinformatics                            | 5   | 3   | 3 | 25   | 75   | 100  |
|                                                                                                                                            | Discipline Specific Elective 4                   | UCBITE63/<br>UCBITE64  | Bioentrepreneurship/<br>Basics of Forensic Science          | 5   | 3   | 3 | 25   | 75   | 100  |
| IV                                                                                                                                         | Professional Competency                          | UCBIOP61               | General Awareness for Competitive Examinations              | 2   | 2   | 3 | 25   | 75   | 100  |
| V                                                                                                                                          | Extension Activity                               | UCEXAM61               | Extension Activity                                          | -   | 1   | - | 25   | 75   | 100  |
| SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC [ Mandatory Online Course to be eligible for obtaining the UG degree]. |                                                  |                        |                                                             |     |     |   |      |      |      |
|                                                                                                                                            |                                                  |                        | TOTAL                                                       | 30  | 21  | - | 175  | 525  | 700  |
|                                                                                                                                            |                                                  |                        | Grand Total                                                 | 180 | 140 | - | 1200 | 3600 | 4800 |

**Programme Specific Outcomes FOR B.Sc. BIOTECHNOLOGY**

**Upon completion of the B.Sc Biotechnology programme, the students will be able to:**

PSO1: Acquire sound and solid base in local as well as national languages and on the fundamental principles and the scientific theories related to various spheres of Biotechnology with technological applications.

PSO2: Apply biotechnology skills with global competencies in core and allied fields.

PSO3: Integrate technologies through inter-disciplinary concepts and suggest better solutions to solve issues of the underprivileged.

PSO4: Utilize ICT for learning and experimenting in pursuance of modern technology and concepts.

PSO5: Developing a variety of communication skills such as reading, listening, speaking, etc. helps to express ideas clearly and effectively.

PSO6: Conceive the concepts and research approaches to pursue higher studies/attain a higher career in industry, medicine and other relevant fields of biotechnology both locally and nationally and develop their scientific tempo.

PSO7: Become entrepreneurs and technologists with strong ethics and technical skills.

PSO8: Find out the bio-solutions for cross-cutting issues in a global, economic, environmental, and societal context.

**MAPPING OF PROGRAMME SPECIFIC OUTCOMES WITH  
PROGRAMME OUTCOMES**

| Programme Specific Outcomes (PSOs)         | Programme Outcomes (PO) |     |     |     |     |     |     |     |     |      |
|--------------------------------------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                                            | PO1                     | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| PSO1                                       | ✓                       | ✓   | ✓   | ✓   |     |     | ✓   |     |     |      |
| PSO2                                       | ✓                       | ✓   | ✓   |     | ✓   | ✓   | ✓   | ✓   |     |      |
| PSO3                                       | ✓                       | ✓   | ✓   | ✓   | ✓   | ✓   |     | ✓   | ✓   | ✓    |
| PSO4                                       | ✓                       |     | ✓   |     | ✓   | ✓   |     |     | ✓   |      |
| PSO5                                       | ✓                       | ✓   |     |     |     | ✓   |     |     | ✓   |      |
| PSO6                                       | ✓                       | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO7                                       |                         | ✓   | ✓   | ✓   |     |     |     |     |     | ✓    |
| PSO8                                       | ✓                       | ✓   |     | ✓   | ✓   |     | ✓   | ✓   |     | ✓    |
| Number of matches = 51, Correlation : High |                         |     |     |     |     |     |     |     |     |      |

**MAPPING CORRELATION BENCHMARK**

| Mapping     | 1-25% | 26-50%   | 51-75% | 76-100%   |
|-------------|-------|----------|--------|-----------|
| Matches     | 1-20  | 21-40    | 41-60  | 61-80     |
| Correlation | Poor  | Moderate | High   | Very High |

**COURSE STRUCTURE FOR B.Sc. BIOTECHNOLOGY  
(For Students admitted from the academic year 2023-2024)**

| Part              | Category                                                         | Course Code | Course Title                           | Hrs./Week | Credit | Exam. | CIA | ESE | TOTAL |
|-------------------|------------------------------------------------------------------|-------------|----------------------------------------|-----------|--------|-------|-----|-----|-------|
| <b>SEMESTER I</b> |                                                                  |             |                                        |           |        |       |     |     |       |
| I                 | Generic Elective<br>Tamil/<br>Language<br>(To choose 1 out of 4) | UCTATL11    | Tamil I                                | 6         | 3      | 3     | 25  | 75  | 100   |
|                   |                                                                  | UCURTL11    | Urdu I                                 |           |        |       |     |     |       |
|                   |                                                                  | UCARTL11    | Arabic I                               |           |        |       |     |     |       |
|                   |                                                                  | UCHDTL11    | Hindi I                                |           |        |       |     |     |       |
| II                | English                                                          | UCENTL11    | English I                              | 4         | 3      | 3     | 25  | 75  | 100   |
| III               | Core Course 1                                                    | UCBTTC11    | Cell and Molecular Development Biology | 6         | 4      | 3     | 25  | 75  | 100   |

|              |                                                         |          |                                                       |    |    |   |     |     |     |
|--------------|---------------------------------------------------------|----------|-------------------------------------------------------|----|----|---|-----|-----|-----|
|              | Core Course 2                                           | UCBTPC12 | Practical I: Cell and Molecular Development Biology - | 3  | 3  | 3 | 25  | 75  | 100 |
|              | Elective 1                                              | UCBTTA11 | Allied –Biological Chemistry                          | 4  | 4  | 3 | 25  | 75  | 100 |
| IV           | Skill Enhancement Course SEC1                           | UCBTPS11 | Allied Practical I - Biological Chemistry             | 3  | 2  | 3 | 25  | 75  | 100 |
|              | Skill Enhancement Course I [Allied Dept]                | UCBTTF11 | Basics of Biotechnology                               | 2  | 2  | 2 | 25  | 75  | 100 |
|              | Ability Enhancement Compulsory Course [Eng. Dept]       | UCSSTM11 | Soft Skill I                                          | 2  | 2  | 3 | 25  | 75  | 100 |
|              |                                                         |          | TOTAL                                                 | 30 | 23 | - | 200 | 600 | 800 |
| SEMESTER II  |                                                         |          |                                                       |    |    |   |     |     |     |
| I            | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL21 | Tamil II                                              | 6  | 3  | 3 | 25  | 75  | 100 |
|              |                                                         | UCURTL21 | Urdu II                                               |    |    |   |     |     |     |
|              |                                                         | UCARTL21 | Arabic II                                             |    |    |   |     |     |     |
|              |                                                         | UCHDTL21 | Hindi II                                              |    |    |   |     |     |     |
| II           | English                                                 | UCENTL21 | English II                                            | 4  | 3  | 3 | 25  | 75  | 100 |
| III          | Core Course 3                                           | UCBTTC21 | Genetics                                              | 6  | 5  | 3 | 25  | 75  | 100 |
|              | Core Course 4                                           | UCBTPC22 | Practical II: Genetics                                | 3  | 3  | 3 | 25  | 75  | 100 |
|              | Elective 2                                              | UCBTTA21 | Allied - Fundamental of Microbiology                  | 4  | 3  | 3 | 25  | 75  | 100 |
| IV           | Skill Enhancement Course SEC2                           | UCBTPS21 | Allied Practical II - Fundamental of Microbiology     | 3  | 2  | 3 | 25  | 75  | 100 |
|              | Skill Enhancement Course SEC3 [Allied Dept]             | UCBTTS22 | Vermitechnology                                       | 2  | 2  | 2 | 25  | 75  | 100 |
|              | Ability Enhancement Compulsory Course [Eng. Dept]       | UCSSTM21 | Soft Skill II                                         | 2  | 2  | 3 | 25  | 75  | 100 |
|              |                                                         |          | TOTAL                                                 | 30 | 23 | - | 200 | 600 | 800 |
| SEMESTER III |                                                         |          |                                                       |    |    |   |     |     |     |
| I            | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL31 | Tamil III                                             | 6  | 3  | 3 | 25  | 75  | 100 |
|              |                                                         | UCURTL31 | Urdu III                                              |    |    |   |     |     |     |
|              |                                                         | UCARTL31 | Arabic III                                            |    |    |   |     |     |     |
|              |                                                         | UCHDTL31 | Hindi III                                             |    |    |   |     |     |     |
| II           | English                                                 | UCENTL31 | English III                                           | 4  | 3  | 3 | 25  | 75  | 100 |
| III          | Core Course 5                                           | UCBTTC31 | Immunology and Immunotechnology                       | 5  | 4  | 3 | 25  | 75  | 100 |
|              | Core Course 6                                           | UCBTPC32 | Practical III - Immunology and Immunotechnology -     | 3  | 3  | 3 | 25  | 75  | 100 |

|    |                                                           |          |                                           |    |    |   |     |     |     |
|----|-----------------------------------------------------------|----------|-------------------------------------------|----|----|---|-----|-----|-----|
|    | Elective 3                                                | UCBTTA31 | Allied - Bioinstrumentation               | 4  | 4  | 3 | 25  | 75  | 100 |
| IV | Skill Enhancement Course SEC4                             | UCBTPS31 | Allied Practical III - Bioinstrumentation | 3  | 2  | 3 | 25  | 75  | 100 |
|    | Skill Enhancement Course SEC5 [Allied Dept] [Online Exam] | UCBTOS32 | Mushroom Cultivation                      | 2  | 1  | 2 | 25  | 75  | 100 |
|    | EVS [ Main Dept]                                          |          | Environmental Studies                     | 1  | -  | - | -   | -   | -   |
|    | Ability Enhancement Compulsory Course [Eng. Dept]         | UCSSTM31 | Soft Skill III                            | 2  | 2  | 3 | 25  | 75  | 100 |
|    |                                                           |          | TOTAL                                     | 30 | 22 | - | 200 | 600 | 800 |

| SEMESTER IV |                                                         |          |                                                        |    |    |   |     |     |     |
|-------------|---------------------------------------------------------|----------|--------------------------------------------------------|----|----|---|-----|-----|-----|
| I           | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL41 | Tamil IV                                               | 6  | 3  | 3 | 25  | 75  | 100 |
|             |                                                         | UCURTL41 | Urdu IV                                                |    |    |   |     |     |     |
|             |                                                         | UCARTL41 | Arabic IV                                              |    |    |   |     |     |     |
|             |                                                         | UCHDTL41 | Hindi IV                                               |    |    |   |     |     |     |
| II          | English                                                 | UCENTL41 | English IV                                             | 4  | 3  | 3 | 25  | 75  | 100 |
| III         | Core Course 7                                           | UCBTTC41 | Genetic Engineering and rDNA Technology                | 4  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 8                                           | UCBTPC42 | Practical IV: Genetic Engineering and rDNA Technology  | 3  | 3  | 3 | 25  | 75  | 100 |
|             | Elective 4                                              | UCBTTA41 | Allied – Bioinformatics and Biostatistics              | 5  | 4  | 3 | 25  | 75  | 100 |
| IV          | Skill Enhancement Course SEC6                           | UCBTPS41 | Allied Practical IV – Bioinformatics and Biostatistics | 3  | 2  | 3 | 25  | 75  | 100 |
|             | Skill Enhancement Course SEC7 [ Allied Dept]            | UCBTTS42 | Organic Farming & Health Management                    | 2  | 2  | 2 | 25  | 75  | 100 |
|             | EVS [ Main Dept] [Online Exam]                          | UCESOM31 | Environmental Studies                                  | 1  | 2  | 2 | 25  | 75  | 100 |
|             | Ability Enhancement Compulsory Course [Eng. Dept]       | UCSSTM41 | Soft Skill IV                                          | 2  | 2  | 3 | 25  | 75  | 100 |
|             |                                                         |          | TOTAL                                                  | 30 | 25 | - | 225 | 675 | 900 |

| SEMESTER V                                                                                                                                |                                                  |                        |                                                                                                       |            |            |          |             |             |             |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------|------------|------------|----------|-------------|-------------|-------------|
| III                                                                                                                                       | Core Course 9                                    | UCBTTC51               | Plant Biotechnology                                                                                   | 5          | 4          | 3        | 25          | 75          | 100         |
|                                                                                                                                           | Core Course 10                                   | UCBTTC52               | Animal Biotechnology                                                                                  | 5          | 4          | 3        | 25          | 75          | 100         |
|                                                                                                                                           | Core Course 11                                   | UCBTJC53               | Project With Viva-voce                                                                                | 5          | 4          | 3        | 25          | 75          | 100         |
|                                                                                                                                           | Core Course 12                                   | UCBTTC54               | Practical V: Plant Biotechnology, Animal Biotechnology and Environmental and Industrial Biotechnology | 4          | 3          | 3        | 25          | 75          | 100         |
|                                                                                                                                           | Discipline Specific Elective 1                   | UCBTTE51/<br>UCBTTE52/ | Nano Biotechnology/<br>Enzymology                                                                     | 4          | 4          | 3        | 25          | 75          | 100         |
|                                                                                                                                           | Discipline Specific Elective 2                   | UCBTTE53/<br>UCBTTE54/ | Bioethics and Biosafety/<br>Cancer Biology                                                            | 3          | 3          | 3        | 25          | 75          | 100         |
| IV                                                                                                                                        | VED [Online Exam]                                | UCVEOM51               | Value Education                                                                                       | 2          | 2          | 2        | 25          | 75          | 100         |
|                                                                                                                                           | Summer Internship/Industrial Training (30 Hours) | UCBTIM51               | Internship/Industrial Training                                                                        | 2          | 2          | 3        | 25          | 75          | 100         |
|                                                                                                                                           |                                                  |                        | <b>TOTAL</b>                                                                                          | <b>30</b>  | <b>26</b>  | <b>-</b> | <b>200</b>  | <b>600</b>  | <b>800</b>  |
| SEMESTER VI                                                                                                                               |                                                  |                        |                                                                                                       |            |            |          |             |             |             |
| III                                                                                                                                       | Core Course 13                                   | UCBTTC61               | Bioentrepreneurship                                                                                   | 6          | 4          | 3        | 25          | 75          | 100         |
|                                                                                                                                           | Core Course 14                                   | UCBTTC62               | Pharmaceutical Biotechnology                                                                          | 6          | 4          | 3        | 25          | 75          | 100         |
|                                                                                                                                           | Core Course 15                                   | UCBTTC63               | Environmental and Industrial Biotechnology                                                            | 5          | 4          | 3        | 25          | 75          | 100         |
|                                                                                                                                           | Discipline Specific Elective 3                   | UCBTTE61/<br>UCBTTE62/ | Marine Biotechnology/<br>Food Technology                                                              | 5          | 3          | 3        | 25          | 75          | 100         |
|                                                                                                                                           | Discipline Specific Elective 4                   | UCBTTE63/<br>UCBTTE64  | Forensic Science/<br>Good Laboratory Practices                                                        | 5          | 3          | 3        | 25          | 75          | 100         |
| IV                                                                                                                                        | Professional Competency [Online Exam]            | UCBTOP61               | General Awareness for Competitive Examinations                                                        | 2          | 2          | 2        | 25          | 75          | 100         |
| V                                                                                                                                         | Extension Activity                               | UCEXAM61               | Extension Activity                                                                                    | -          | 1          | -        | 25          | 75          | 100         |
| SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC [ Mandatory Online Course to be eligible for obtaining the UG degree] |                                                  |                        |                                                                                                       |            |            |          |             |             |             |
|                                                                                                                                           |                                                  |                        | <b>TOTAL</b>                                                                                          | <b>30</b>  | <b>21</b>  | <b>-</b> | <b>175</b>  | <b>525</b>  | <b>700</b>  |
|                                                                                                                                           |                                                  |                        | <b>Grand Total</b>                                                                                    | <b>180</b> | <b>140</b> | <b>-</b> | <b>1200</b> | <b>3600</b> | <b>4800</b> |



**PROGRAMME OUTCOMES (POs) for B.Sc (COMPUTER SCIENCE), B.C.A AND DATA SCIENCE**  
**By the end of the programme, the students will be able to**

|      |                                                                                                                                                                                                                                                  |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PO1  | Communicate in English, the ideas, findings, and results effectively through conversations, meetings, and reports, especially through digital means. Develop linguistic skills in one Indian/Regional language                                   |
| PO2  | Demonstrate knowledge of the concepts, principles, theories, and techniques of the domain and allied subject areas.                                                                                                                              |
| PO3  | Synergise knowledge with Analytical & Experimental skills to systematically, create & run programs/carry out experiments/formulate & prove theories to enrich the body of knowledge                                                              |
| PO4  | Synthesize learned knowledge and acquired skills to Identify and critically analyze pertinent problems in the relevant discipline using appropriate tools and techniques.                                                                        |
| PO5  | Exhibit potential to accomplish tasks independently or as a member or leader of a team                                                                                                                                                           |
| PO6  | Utilize specialized instruments and equipment, Computers, Software, Internet, and other ICT tools to carry out experiments                                                                                                                       |
| PO7  | Demonstrate knowledge and scientific understanding to design experiments, use appropriate methodologies, analyze and interpret data and provide solutions, and Exhibit organizational skills, and the ability to manage time and resources.      |
| PO8  | Create Compounds/Products/Software or Design experiments and/or collaborate to help Society in building a Sustainable Environment                                                                                                                |
| PO9  | Discover a passion for Lifelong Learning through MOOCs, ODL, and Self -Learning techniques through optimum use of ICT                                                                                                                            |
| PO10 | Identify and assess various issues in Environment and suggest measures to overcome them. Exhibit Ethics and Values in professional, Social, and Personal spheres of life, caring for the underprivileged, leading to a better sustainable future |

**PROGRAMME SPECIFIC OUTCOMES (PSOs) for B.Sc (Computer Science)**  
**By the end of the programme, the students will be able to**

|        |                                                                                                                                                         |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| PSO1   | Computational Ability: Implementing fundamentals of computing, computing specialization and domain knowledge suitable for job placement.                |
| PSO2   | Problem Analysis: Identity, formulate and analyze complex real-life problems in terms of mathematical modelling and computer science.                   |
| PSO3   | Design /Development of solutions: Design algorithms for complex, real-world problems through computing systems, components or processes.                |
| PSO4   | Investigate Problems: Ability to analyze and investigate complex computing problems through design of experiments, analysis and interpretation of data. |
| PSO5   | Tool usage: Create, select, modify and apply appropriate technologies and tools to a wide range of computational activities within their limitations    |
| PSO6   | Professional ethics: Ability to perform professional practices ethically, keeping in mind cyber regulations & laws.                                     |
| PSO7   | Self-learning: Ability to engage in independent learning for continuous self-development as a computing professional.                                   |
| PSO8   | Communication: Ability to effectively communicate with the technical community                                                                          |
| PSO 9  | Individual and Teamwork: Ability to work in a hierarchical team both as a member and leader.                                                            |
| PSO 10 | Innovation and entrepreneurship: Ability to apply innovative ideas to become an entrepreneur.                                                           |

## MAPPING OF PROGRAMME SPECIFIC OUTCOMES WITH PROGRAMME OUTCOMES

| Programme Specific Outcomes (PSOs) | Programme Outcomes (POs) |     |     |     |     |     |     |     |     |      |
|------------------------------------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                                    | PO1                      | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| PSO1                               | ✓                        | ✓   |     |     | ✓   | ✓   | ✓   |     |     |      |
| PSO2                               | ✓                        |     | ✓   | ✓   | ✓   |     | ✓   |     |     |      |
| PSO3                               | ✓                        | ✓   | ✓   | ✓   |     |     | ✓   |     |     |      |
| PSO4                               | ✓                        | ✓   | ✓   | ✓   |     |     | ✓   | ✓   | ✓   |      |
| PSO5                               | ✓                        |     |     |     | ✓   | ✓   | ✓   | ✓   |     |      |
| PSO6                               | ✓                        | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO7                               | ✓                        |     | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |      |
| PSO8                               | ✓                        | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO9                               | ✓                        |     |     |     | ✓   | ✓   |     | ✓   | ✓   |      |
| PSO10                              | ✓                        |     |     |     | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |

## Mapping Correlation Benchmark

| Mapping     | 1-30% | 31-60%   | 61-70% | 71-100%   |
|-------------|-------|----------|--------|-----------|
| Matches     | 1-24  | 25-50    | 51-56  | 57-80     |
| Correlation | Poor  | Moderate | High   | Very High |

**COURSE STRUCTURE FOR B.Sc. COMPUTER SCIENCE**  
**(For Students admitted from the academic year 2023-2024)**

| Part              | Category                                                | Course Code | Course Title                    | Hrs./Week | Credit    | Exam. Hrs. | CIA        | ESE        | TOTAL      |
|-------------------|---------------------------------------------------------|-------------|---------------------------------|-----------|-----------|------------|------------|------------|------------|
| <b>SEMESTER I</b> |                                                         |             |                                 |           |           |            |            |            |            |
| I                 | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL11    | Tamil I                         | 6         | 3         | 3          | 25         | 75         | 100        |
|                   |                                                         | UCURTL11    | Urdu I                          |           |           |            |            |            |            |
|                   |                                                         | UCARTL11    | Arabic I                        |           |           |            |            |            |            |
|                   |                                                         | UCHDTL11    | Hindi I                         |           |           |            |            |            |            |
| II                | English                                                 | UCENTL11    | English I                       | 4         | 3         | 3          | 25         | 75         | 100        |
| III               | Core Course 1                                           | UCCSTC11    | Python Programming              | 5         | 4         | 3          | 25         | 75         | 100        |
|                   | Core Course 2                                           | UCCSPC12    | Python Programming Lab          | 3         | 3         | 3          | 25         | 75         | 100        |
|                   | Elective 1                                              | UCCSTA11    | Allied - Numerical Methods I    | 5         | 3         | 3          | 25         | 75         | 100        |
| IV                | Skill Enhancement Course SEC1                           | UCCSPS11    | Computational Mathematics Lab I | 3         | 2         | 3          | 25         | 75         | 100        |
|                   | Foundation Course                                       | UCCSPF11    | Problem-Solving Technique Lab   | 2         | 2         | 2          | 25         | 75         | 100        |
|                   | Ability Enhancement Compulsory Course AEC1              | UCSSTM11    | Soft Skill I                    | 2         | 2         | 3          | 25         | 75         | 100        |
|                   |                                                         |             | <b>TOTAL</b>                    | <b>30</b> | <b>23</b> | <b>-</b>   | <b>200</b> | <b>600</b> | <b>800</b> |

| SEMESTER II  |                                                                |          |                                                  |    |    |   |     |     |     |
|--------------|----------------------------------------------------------------|----------|--------------------------------------------------|----|----|---|-----|-----|-----|
| I            | Generic Elective Tamil/ Language (To choose 1 out of 4)        | UCTATL21 | Tamil II                                         | 6  | 3  | 3 | 25  | 75  | 100 |
|              |                                                                | UCURTL21 | Urdu II                                          |    |    |   |     |     |     |
|              |                                                                | UCARTL21 | Arabic II                                        |    |    |   |     |     |     |
|              |                                                                | UCHDTL21 | Hindi II                                         |    |    |   |     |     |     |
| II           | English                                                        | UCENTL21 | English II                                       | 4  | 3  | 3 | 25  | 75  | 100 |
| III          | Core Course 3                                                  | UCCSTC21 | Data Structure and Algorithms                    | 5  | 5  | 3 | 25  | 75  | 100 |
|              | Core Course 4                                                  | UCCSPC22 | Data Structure and Algorithms Lab II             | 3  | 3  | 3 | 25  | 75  | 100 |
|              | Elective 2                                                     | UCCSTA21 | Allied - Numerical Methods - II                  | 5  | 3  | 3 | 25  | 75  | 100 |
| IV           | Skill Enhancement Course SEC2                                  | UCCSPS21 | Computational Mathematics Lab II                 | 3  | 2  | 3 | 25  | 75  | 100 |
|              | Skill Enhancement Course SEC3 [Foundation Course – Major Dept] | UCCSPS22 | Office Automation Lab                            | 2  | 2  | 2 | 25  | 75  | 100 |
|              | Ability Enhancement Compulsory Course AEC2                     | UCSSTM21 | Soft Skill II                                    | 2  | 2  | 3 | 25  | 75  | 100 |
|              |                                                                |          | TOTAL                                            | 30 | 23 | - | 200 | 600 | 800 |
| SEMESTER III |                                                                |          |                                                  |    |    |   |     |     |     |
| I            | Generic Elective Tamil/ Language (To choose 1 out of 4)        | UCTATL31 | Tamil III                                        | 6  | 3  | 3 | 25  | 75  | 100 |
|              |                                                                | UCURTL31 | Urdu III                                         |    |    |   |     |     |     |
|              |                                                                | UCARTL31 | Arabic III                                       |    |    |   |     |     |     |
|              |                                                                | UCHDTL31 | Hindi III                                        |    |    |   |     |     |     |
| II           | English                                                        | UCENTL31 | English III                                      | 4  | 3  | 3 | 25  | 75  | 100 |
| III          | Core Course 5                                                  | UCCSTC31 | Microprocessor and Microcontroller               | 4  | 4  | 3 | 25  | 75  | 100 |
|              | Core Course 6                                                  | UCCSPC32 | Microprocessor and Microcontroller Lab           | 3  | 3  | 3 | 25  | 75  | 100 |
|              | Elective 3                                                     | UCCSTA31 | Statistical Methods and their Applications I     | 5  | 3  | 3 | 25  | 75  | 100 |
| IV           | Skill Enhancement Course SEC4                                  | UCCSPS31 | Statistical Methods and their Application Lab -I | 3  | 3  | 3 | 25  | 75  | 100 |
|              | Skill Enhancement Course SEC5 [Major Dept] [Online Exam]       | UCCSOS32 | Fundamentals of Information Technology           | 2  | 1  | 2 | 25  | 75  | 100 |
|              | EVS [Allied Dept]                                              | -        | Environmental Studies                            | 1  | -  | - | -   | -   | -   |
|              | Ability Enhancement Compulsory Course AEC3                     | UCSSTM31 | Soft Skill III                                   | 2  | 2  | 3 | 25  | 75  | 100 |
|              |                                                                |          | TOTAL                                            | 30 | 22 | - | 225 | 675 | 800 |

| SEMESTER IV |                                                         |                        |                                                                  |           |           |          |            |            |            |
|-------------|---------------------------------------------------------|------------------------|------------------------------------------------------------------|-----------|-----------|----------|------------|------------|------------|
| I           | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL41               | Tamil IV                                                         | 6         | 3         | 3        | 25         | 75         | 100        |
|             |                                                         | UCURTL41               | Urdu IV                                                          |           |           |          |            |            |            |
|             |                                                         | UCARTL41               | Arabic IV                                                        |           |           |          |            |            |            |
|             |                                                         | UCHDTL41               | Hindi IV                                                         |           |           |          |            |            |            |
| II          | English                                                 | UCENTL41               | English IV                                                       | 4         | 3         | 3        | 25         | 75         | 100        |
| III         | Core Course 7                                           | UCCSTC41               | Java Programming                                                 | 5         | 4         | 3        | 25         | 75         | 100        |
|             | Core Course 8                                           | UCCSPC42               | Java Programming Lab                                             | 3         | 3         | 3        | 25         | 75         | 100        |
|             | Elective 4                                              | UCCSTA41               | Statistical Methods and its Application II                       | 4         | 4         | 3        | 25         | 75         | 100        |
| IV          | Skill Enhancement Course SEC6                           | UCCSPS41               | Statistical Methods and its Application Lab -II                  | 3         | 2         | 3        | 25         | 75         | 100        |
|             | Skill Enhancement Course 4 [Major Dept]                 | UCCSTS42               | PHP Programming/Introduction to HTML                             | 2         | 2         | 2        | 25         | 75         | 100        |
|             | EVS [Allied Dept] [Online Exam]                         | UCESOM41               | Environmental Studies                                            | 1         | 2         | 2        | 25         | 75         | 100        |
|             | Ability Enhancement Compulsory Course AEC4              | UCSSTM41               | Soft Skill IV                                                    | 2         | 2         | 3        | 25         | 75         | 100        |
|             |                                                         |                        | <b>TOTAL</b>                                                     | <b>30</b> | <b>25</b> | <b>-</b> | <b>225</b> | <b>675</b> | <b>900</b> |
| SEMESTER V  |                                                         |                        |                                                                  |           |           |          |            |            |            |
| III         | Core Course 9                                           | UCCSTC51               | Software Engineering                                             | 5         | 4         | 3        | 25         | 75         | 100        |
|             | Core Course 10                                          | UCCSTC52               | Database management System                                       | 5         | 4         | 3        | 25         | 75         | 100        |
|             | Core Course 11                                          | UCCSPC53               | Database Management System Lab                                   | 4         | 4         | 3        | 25         | 75         | 100        |
|             | Core Course 12                                          | UCCSJC54               | Project with Viva Voce                                           | 5         | 4         | 3        | 25         | 75         | 100        |
|             | Discipline Specific Elective 1                          | UCCSTE51/<br>UCCSTE52/ | 1. Artificial Intelligence<br>2. Robotics and its Applications   | 4         | 4         | 3        | 25         | 75         | 100        |
|             | Discipline Specific Elective 2                          | UCCSTE53/<br>UCCSTE54/ | 1. Introduction to Data Science<br>2. Computational Intelligence | 3         | 3         | 3        | 25         | 75         | 100        |
| IV          | VED [Online Exam]                                       | UCVEOM51               | Value Education                                                  | 2         | 2         | 2        | 25         | 75         | 100        |
| IV          | Summer Internship/Industrial Training (30 Hours)        | UCSIMS51               | Internship/Industrial Training                                   | 2         | 2         | 3        | 25         | 75         | 100        |
|             |                                                         |                        | <b>TOTAL</b>                                                     | <b>30</b> | <b>26</b> | <b>-</b> | <b>200</b> | <b>600</b> | <b>800</b> |

| SEMESTER VI                                                                                                                               |                                       |                        |                                                                  |            |            |          |             |             |             |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------|------------------------------------------------------------------|------------|------------|----------|-------------|-------------|-------------|
| III                                                                                                                                       | Core Course 13                        | UCCSTC61               | .NET Programming                                                 | 6          | 4          | 3        | 25          | 75          | 100         |
|                                                                                                                                           | Core Course 14                        | UCCSPC62               | .NET Programming Lab VI                                          | 6          | 4          | 3        | 25          | 75          | 100         |
|                                                                                                                                           | Core Course 15                        | UCCSTC63               | Computer Networks                                                | 4          | 3          | 3        | 25          | 75          | 100         |
|                                                                                                                                           | Discipline Specific Elective 3        | UCCSTE61/<br>UCCSTE62/ | 1. Mobile Application Development<br>2. Machine Learning         | 5          | 3          | 3        | 25          | 75          | 100         |
|                                                                                                                                           |                                       | UCCSPE63/<br>UCCSPE64  | 1. Mobile Application Development Lab<br>2. Machine Learning Lab | 5          | 3          | 3        | 25          | 75          | 100         |
| IV                                                                                                                                        | Extension Activity                    | UCEXAM6<br>1           | Extension Activity                                               | -          | 1          | -        | 25          | 75          | 100         |
| V                                                                                                                                         | Professional Competency [Online Exam] | UCCSOP61               | General Awareness for Competitive Examinations                   | 2          | 2          | 2        | 25          | 75          | 100         |
| SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC [ Mandatory Online Course to be eligible for obtaining the UG degree. |                                       |                        |                                                                  |            |            |          |             |             |             |
|                                                                                                                                           |                                       |                        | <b>TOTAL</b>                                                     | <b>30</b>  | <b>21</b>  | <b>-</b> | <b>175</b>  | <b>525</b>  | <b>700</b>  |
|                                                                                                                                           |                                       |                        | <b>Grand Total</b>                                               | <b>180</b> | <b>140</b> | <b>-</b> | <b>1200</b> | <b>3600</b> | <b>4800</b> |

**PROGRAMME SPECIFIC OUTCOMES (PSOs) for B.C.A**

By the end of the programme, the students will be able to

|        |                                                                                                                                                         |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| PSO1   | Computational Ability: Implementing fundamentals of computing, computing specialization and domain knowledge suitable for job placement.                |
| PSO2   | Problem Analysis: Identity, formulate and analyze complex real-life problems in terms of mathematical modelling and computer science.                   |
| PSO3   | Design /Development of solutions: Design algorithms for complex, real-world problems through computing systems, components or processes.                |
| PSO4   | Investigate Problems: Ability to analyze and investigate complex computing problems through design of experiments, analysis and interpretation of data. |
| PSO5   | Exploration: Ability to explore the stored data to bring out valuable information.                                                                      |
| PSO6   | Professional ethics: Ability to perform professional practices ethically, keeping in mind cyber regulations & laws.                                     |
| PSO7   | Self-learning: Ability to engage in independent learning for continuous self-development as a computing professional.                                   |
| PSO8   | Communication: Ability to effectively communicate with the technical community                                                                          |
| PSO 9  | Individual and Teamwork: Ability to work in a hierarchical team both as a member and leader.                                                            |
| PSO 10 | Innovation and entrepreneurship: Ability to apply innovative ideas to become an entrepreneur.                                                           |

## MAPPING OF PROGRAMME SPECIFIC OUTCOMES WITH PROGRAMME OUTCOMES

| Programme Specific Outcomes (PSOs) | Programme Outcomes (POs) |     |     |     |     |     |     |     |     |      |
|------------------------------------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                                    | PO1                      | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| PSO1                               | ✓                        | ✓   |     |     | ✓   | ✓   | ✓   |     |     |      |
| PSO2                               | ✓                        |     | ✓   | ✓   | ✓   |     | ✓   |     |     |      |
| PSO3                               | ✓                        | ✓   | ✓   | ✓   |     |     | ✓   |     |     |      |
| PSO4                               | ✓                        | ✓   | ✓   | ✓   |     |     | ✓   | ✓   | ✓   |      |
| PSO5                               | ✓                        |     |     |     | ✓   | ✓   | ✓   | ✓   |     |      |
| PSO6                               | ✓                        | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO7                               | ✓                        |     | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |      |
| PSO8                               | ✓                        | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO9                               | ✓                        |     |     |     | ✓   | ✓   |     | ✓   | ✓   |      |
| PSO10                              | ✓                        |     |     |     | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |

## Mapping Correlation Benchmark

| Mapping     | 1-30% | 31-60%   | 61-70% | 71-100%   |
|-------------|-------|----------|--------|-----------|
| Matches     | 1-24  | 25-50    | 51-56  | 57-80     |
| Correlation | Poor  | Moderate | High   | Very High |

**COURSE STRUCTURE FOR B.C.A.**  
(For Students admitted from the academic year 2023-2024)

| Part              | Category                                                | Course Code           | Course Title                          | Hrs./Week | Credit    | Exam. Hrs. | CIA        | ESE        | TOTAL      |
|-------------------|---------------------------------------------------------|-----------------------|---------------------------------------|-----------|-----------|------------|------------|------------|------------|
| <b>SEMESTER I</b> |                                                         |                       |                                       |           |           |            |            |            |            |
| I                 | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL11              | Tamil I                               | 6         | 3         | 3          | 25         | 75         | 100        |
|                   |                                                         | UCURTL11              | Urdu I                                |           |           |            |            |            |            |
|                   |                                                         | UCARTL11              | Arabic I                              |           |           |            |            |            |            |
|                   |                                                         | UCHDTL11              | Hindi I                               |           |           |            |            |            |            |
| II                | English                                                 | UCENTL11              | English I                             | 4         | 3         | 3          | 25         | 75         | 100        |
| III               | Core Course 1                                           | UCBCTC11              | Python Programming                    | 5         | 4         | 3          | 25         | 75         | 100        |
|                   | Core Course 2                                           | UCBCPC12              | Python Programming Lab                | 3         | 3         | 3          | 25         | 75         | 100        |
|                   | Elective 1                                              | UCBCTA11/<br>UCBCTA12 | Allied – Mathematics I / Statistics I | 5         | 4         | 3          | 25         | 75         | 100        |
| IV                | Skill Enhancement Course SEC1                           | UCBCPS11              | Computational Mathematics Lab I       | 3         | 2         | 3          | 25         | 75         | 100        |
|                   | Foundation Course                                       | UCBCPF11              | Structured Programming in C Lab       | 2         | 2         | 2          | 25         | 75         | 100        |
|                   | Ability Enhancement Compulsory Course AEC1              | UCSSTM11              | Soft Skill I                          | 2         | 2         | 3          | 25         | 75         | 100        |
|                   |                                                         |                       | <b>TOTAL</b>                          | <b>30</b> | <b>23</b> | <b>-</b>   | <b>200</b> | <b>600</b> | <b>800</b> |

| SEMESTER II  |                                                                      |                       |                                                             |    |    |   |     |     |     |
|--------------|----------------------------------------------------------------------|-----------------------|-------------------------------------------------------------|----|----|---|-----|-----|-----|
| I            | Generic Elective<br>Tamil/<br>Language<br>(To choose 1 out<br>of 4)  | UCTATL21              | Tamil II                                                    | 6  | 3  | 3 | 25  | 75  | 100 |
|              |                                                                      | UCURTL21              | Urdu II                                                     |    |    |   |     |     |     |
|              |                                                                      | UCARTL21              | Arabic II                                                   |    |    |   |     |     |     |
|              |                                                                      | UCHDTL21              | Hindi II                                                    |    |    |   |     |     |     |
| II           | English                                                              | UCENTL21              | English II                                                  | 4  | 3  | 3 | 25  | 75  | 100 |
| III          | Core Course 3                                                        | UCBCTC21              | Object-Oriented<br>Programming<br>Concepts Using C++        | 5  | 5  | 3 | 25  | 75  | 100 |
|              | Core Course 4                                                        | UCBCPC22              | Object-Oriented<br>Programming<br>Concepts Using C++<br>Lab | 3  | 3  | 3 | 25  | 75  | 100 |
|              | Elective 2                                                           | UCBCTA21/<br>UCBCTA22 | Allied –<br>Mathematics II /<br>Statistics II               | 5  | 3  | 3 | 25  | 75  | 100 |
| IV           | Skill<br>Enhancement<br>Course SEC2                                  | UCBCPS21              | Computational<br>Mathematics Lab II                         | 3  | 2  | 3 | 25  | 75  | 100 |
|              | Skill<br>Enhancement<br>Course SEC3                                  | UCBCPS22              | Office Automation<br>Lab                                    | 2  | 2  | 2 | 25  | 75  | 100 |
|              | Ability<br>Enhancement<br>Compulsory<br>Course AEC2                  | UCSSTM21              | Soft Skill II                                               | 2  | 2  | 3 | 25  | 75  | 100 |
|              |                                                                      |                       | TOTAL                                                       | 30 | 23 | - | 200 | 600 | 800 |
| SEMESTER III |                                                                      |                       |                                                             |    |    |   |     |     |     |
| I            | Generic Elective<br>Tamil/<br>Language<br>(To choose 1 out<br>of 4)  | UCTATL31              | Tamil III                                                   | 6  | 3  | 3 | 25  | 75  | 100 |
|              |                                                                      | UCURTL31              | Urdu III                                                    |    |    |   |     |     |     |
|              |                                                                      | UCARTL31              | Arabic III                                                  |    |    |   |     |     |     |
|              |                                                                      | UCHDTL31              | Hindi III                                                   |    |    |   |     |     |     |
| II           | English                                                              | UCENTL31              | English III                                                 | 4  | 3  | 3 | 25  | 75  | 100 |
| III          | Core Course 5                                                        | UCBCTC31              | Data Structures and<br>Algorithms                           | 4  | 4  | 3 | 25  | 75  | 100 |
|              | Core Course 6                                                        | UCBCPC32              | Data Structures and<br>Algorithms Lab                       | 3  | 3  | 3 | 25  | 75  | 100 |
|              | Elective 3                                                           | UCBCTA31              | Financial Accounting                                        | 5  | 3  | 3 | 25  | 75  | 100 |
| IV           | Skill<br>Enhancement<br>Course SEC4                                  | UCBCPS31              | Financial Accounting<br>Lab                                 | 3  | 3  | 3 | 25  | 75  | 100 |
|              | Skill<br>Enhancement<br>Course SEC5<br>[Major Dept]<br>[Online Exam] | UCBCOS32              | Fundamentals of<br>Information<br>Technology                | 2  | 1  | 2 | 25  | 75  | 100 |
|              | EVS [Allied Dept]                                                    |                       | Environmental<br>Studies                                    | 1  | -  | - | -   | -   | -   |

|  |                                            |          |                |    |    |   |     |     |     |
|--|--------------------------------------------|----------|----------------|----|----|---|-----|-----|-----|
|  | Ability Enhancement Compulsory Course AEC3 | UCSSTM31 | Soft Skill III | 2  | 2  | 3 | 25  | 75  | 100 |
|  |                                            |          | TOTAL          | 30 | 22 | - | 225 | 675 | 800 |

| SEMESTER IV |                                                         |                    |                                                                 |    |    |   |     |     |     |
|-------------|---------------------------------------------------------|--------------------|-----------------------------------------------------------------|----|----|---|-----|-----|-----|
| I           | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL41           | Tamil IV                                                        | 6  | 3  | 3 | 25  | 75  | 100 |
|             |                                                         | UCURTL41           | Urdu IV                                                         |    |    |   |     |     |     |
|             |                                                         | UCARTL41           | Arabic IV                                                       |    |    |   |     |     |     |
|             |                                                         | UCHDTL41           | Hindi IV                                                        |    |    |   |     |     |     |
| II          | English                                                 | UCENTL41           | English IV                                                      | 4  | 3  | 3 | 25  | 75  | 100 |
| III         | Core Course 7                                           | UCBCTC41           | Programming in Java                                             | 4  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 8                                           | UCBCPC42           | Programming in Java Lab                                         | 3  | 3  | 3 | 25  | 75  | 100 |
|             | Elective 4                                              | UCBCTA41           | Cost and Management Accounting                                  | 5  | 4  | 3 | 25  | 75  | 100 |
| IV          | Skill Enhancement Course SEC6                           | UCBCPS41           | Cost and Management Accounting - Lab                            | 3  | 3  | 3 | 25  | 75  | 100 |
|             | Skill Enhancement Course SEC7 [Major Dept]              | UCBCPS42           | PHP Programming Lab                                             | 2  | 1  | 2 | 25  | 75  | 100 |
|             | EVS [Allied Dept] [Online Exam]                         | UCESOM41           | Environmental Studies                                           | 1  | 2  | 2 | 25  | 75  | 100 |
|             | Ability Enhancement Compulsory Course AEC4              | UCSSTM41           | Soft Skill IV                                                   | 2  | 2  | 3 | 25  | 75  | 100 |
|             |                                                         |                    | TOTAL                                                           | 30 | 25 | - | 225 | 675 | 900 |
| SEMESTER V  |                                                         |                    |                                                                 |    |    |   |     |     |     |
| III         | Core Course 9                                           | UCBCTC51           | Operating System                                                | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 10                                          | UCBCTC52           | ASP.Net Programming                                             | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 11                                          | UCBCPC53           | ASP.Net Programming Lab                                         | 4  | 3  | 3 | 25  | 75  | 100 |
|             | Core Course 12                                          | UCBCJC54           | Project with Viva - Voce                                        | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Discipline Specific Elective 1                          | UCBCTE51/UCBCTE52/ | 1. Database Management System<br>2. Image Processing            | 4  | 4  | 3 | 25  | 75  | 100 |
|             | Discipline Specific Elective 2                          | UCBCTE53/UCBCTE54/ | 1. Software Project Management<br>2. Computational Intelligence | 3  | 3  | 3 | 25  | 75  | 100 |



|                    |                                                                                                                                                  |                        |                                                          |            |            |          |             |             |             |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------|------------|------------|----------|-------------|-------------|-------------|
| IV                 | VED [Online Exam]                                                                                                                                | UCVEOM51               | Value Education                                          | 2          | 2          | 2        | 25          | 75          | 100         |
|                    | Summer Internship/Industrial Training (30 Hours)                                                                                                 | UCBCIM51               | Internship/Industrial Training                           | 2          | 2          | 3        | 25          | 75          | 100         |
|                    |                                                                                                                                                  |                        | <b>TOTAL</b>                                             | <b>30</b>  | <b>26</b>  | <b>-</b> | <b>200</b>  | <b>600</b>  | <b>800</b>  |
| <b>SEMESTER VI</b> |                                                                                                                                                  |                        |                                                          |            |            |          |             |             |             |
| III                | Core Course 13                                                                                                                                   | UCCCTC61               | Data Analytics using R Programming                       | 6          | 4          | 3        | 25          | 75          | 100         |
|                    | Core Course 14                                                                                                                                   | UCBCPC62               | R Programming Lab                                        | 6          | 4          | 3        | 25          | 75          | 100         |
|                    | Core Course 15                                                                                                                                   | UCBCTC63               | Computer Networks                                        | 6          | 4          | 3        | 25          | 75          | 100         |
|                    | Discipline Specific Elective 3                                                                                                                   | UCBCTE61/<br>UCBCTE62/ | 1. Artificial Intelligence<br>2. Information Security    | 5          | 3          | 3        | 25          | 75          | 100         |
|                    | Discipline Specific Elective 4                                                                                                                   | UCBCTE63/<br>UCBCTE64  | 1. Analytics for Service Industry<br>2. Software Metrics | 5          | 3          | 3        | 25          | 75          | 100         |
| IV                 | Extension Activity                                                                                                                               | UCEXAM61               | Extension Activity                                       | -          | 1          | -        | 25          | 75          | 100         |
|                    | Professional Competency [Online Exam]                                                                                                            | UCBCOP61               | General Awareness for Competitive Examinations           | 2          | 2          | 2        | 25          | 75          | 100         |
|                    | <b>SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC [ Mandatory Online Course to be eligible for obtaining the UG degree]</b> |                        |                                                          |            |            |          |             |             |             |
|                    |                                                                                                                                                  |                        | <b>TOTAL</b>                                             | <b>30</b>  | <b>21</b>  | <b>-</b> | <b>175</b>  | <b>525</b>  | <b>700</b>  |
|                    |                                                                                                                                                  |                        | <b>Grand Total</b>                                       | <b>180</b> | <b>140</b> | <b>-</b> | <b>1200</b> | <b>3600</b> | <b>4800</b> |

**PROGRAM SPECIFIC OUTCOMES (PSOs)- BSC( DATA SCIENCE)**

By the end of the program, students will be able to

|      |                                                                                                                                                                                                     |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PSO1 | Exhibit good domain knowledge and completes the assigned responsibilities Effectively and efficiently on par with the expected quality standards.                                                   |
| PSO2 | Apply analytical and critical thinking to identify, formulate, analyze, and solve complex problems to reach authenticated conclusions                                                               |
| PSO3 | Design and develop solutions for complex problems with specified needs through appropriate consideration and accuracy.                                                                              |
| PSO4 | Establish the ability to Listen, read, proficiently communicate and articulate Complex ideas concerning the needs and abilities of diverse audiences.                                               |
| PSO5 | Deliver innovative ideas to instigate new business ventures and possess the qualities Of a good entrepreneur                                                                                        |
| PSO6 | Acquire the qualities of a good leader and engage in efficient decision-making.                                                                                                                     |
| PSO7 | Graduates will be able to undertake any responsibility as an individual/member of Multidisciplinary teams and have an understanding of team leadership                                              |
| PSO8 | Function as a socially responsible individual with ethical values and accountability to ethically validate any actions or decisions before proceeding and actively contribute to societal concerns. |

|       |                                                                                                                                                                          |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PSO9  | Identify and address own educational needs in a changing world in ways sufficient to Maintain competence and to allow them to contribute to the advancement of knowledge |
| PSO10 | Demonstrate knowledge and understanding of management principles and apply these to one own work to manage projects in a multidisciplinary environment.                  |

#### MAPPING OF PROGRAMME SPECIFIC OUTCOMES WITH PROGRAMME OUTCOMES

| Programme Specific Outcomes (PSOs) | Programme Outcomes (POs) |     |     |     |     |     |     |     |     |      |
|------------------------------------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                                    | PO1                      | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| PSO1                               | ✓                        | ✓   |     |     | ✓   | ✓   | ✓   |     |     |      |
| PSO2                               | ✓                        |     | ✓   | ✓   | ✓   |     |     |     |     |      |
| PSO3                               | ✓                        | ✓   | ✓   | ✓   |     |     |     |     |     |      |
| PSO4                               | ✓                        | ✓   | ✓   | ✓   |     |     |     | ✓   |     |      |
| PSO5                               | ✓                        |     |     |     | ✓   | ✓   | ✓   | ✓   |     |      |
| PSO6                               | ✓                        | ✓   | ✓   | ✓   | ✓   | ✓   |     | ✓   |     | ✓    |
| PSO7                               | ✓                        |     | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     |      |
| PSO8                               | ✓                        | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     | ✓    |
| PSO9                               | ✓                        |     |     |     |     | ✓   |     |     |     |      |
| PSO10                              | ✓                        |     |     |     |     | ✓   | ✓   | ✓   |     | ✓    |

#### Mapping Correlation Benchmark

| Mapping     | 1-30% | 31-60%   | 61-70% | 71-100%   |
|-------------|-------|----------|--------|-----------|
| Matches     | 1-24  | 25-50    | 51-56  | 57-80     |
| Correlation | Poor  | Moderate | High   | Very High |

| COURSE STRUCTURE FOR DATA SCIENCE<br>(For Students admitted from the Academic Year 2023-2024) |                                                         |             |                                 |           |        |            |     |     |       |
|-----------------------------------------------------------------------------------------------|---------------------------------------------------------|-------------|---------------------------------|-----------|--------|------------|-----|-----|-------|
| Part                                                                                          | Category                                                | Course Code | Course Title                    | Hrs./Week | Credit | Exam. Hrs. | CIA | ESE | TOTAL |
| SEMESTER I                                                                                    |                                                         |             |                                 |           |        |            |     |     |       |
| I                                                                                             | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL11    | Tamil I                         | 6         | 3      | 3          | 25  | 75  | 100   |
|                                                                                               |                                                         | UCURTL11    | Urdu I                          |           |        |            |     |     |       |
|                                                                                               |                                                         | UCARTL11    | Arabic I                        |           |        |            |     |     |       |
|                                                                                               |                                                         | UCHDTL11    | Hindi I                         |           |        |            |     |     |       |
| II                                                                                            | English                                                 | UCENTL11    | English I                       | 4         | 3      | 3          | 25  | 75  | 100   |
| III                                                                                           | Core Course 1                                           | UCDSTC11    | Python Programming              | 5         | 4      | 3          | 25  | 75  | 100   |
|                                                                                               | Core Course 2                                           | UCDSPC12    | Python Programming Lab          | 3         | 3      | 3          | 25  | 75  | 100   |
|                                                                                               | Elective 1                                              | UCDSTA11    | Allied - Statistics I           | 5         | 4      | 3          | 25  | 75  | 100   |
| IV                                                                                            |                                                         | UCDSPS11    | Computational Mathematics Lab I | 3         | 2      | 3          | 25  | 75  | 100   |

|              |                                                         |          |                                   |    |    |   |     |     |     |
|--------------|---------------------------------------------------------|----------|-----------------------------------|----|----|---|-----|-----|-----|
|              | Skill Enhancement Course SEC1                           |          |                                   |    |    |   |     |     |     |
|              | Foundation Course                                       | UCDSPF11 | Problem-Solving Technique Lab     | 2  | 2  | 3 | 25  | 75  | 100 |
|              | Ability Enhancement Compulsory Course AEC1              | UCSSTM11 | Soft Skill I                      | 2  | 2  | 3 | 25  | 75  | 100 |
|              |                                                         |          | TOTAL                             | 30 | 23 | - | 200 | 600 | 800 |
| SEMESTER II  |                                                         |          |                                   |    |    |   |     |     |     |
| I            | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL21 | Tamil II                          | 6  | 3  | 3 | 25  | 75  | 100 |
|              |                                                         | UCURTL21 | Urdu II                           |    |    |   |     |     |     |
|              |                                                         | UCARTL21 | Arabic II                         |    |    |   |     |     |     |
|              |                                                         | UCHDTL21 | Hindi II                          |    |    |   |     |     |     |
| II           | English                                                 | UCENTL21 | English II                        | 4  | 3  | 3 | 25  | 75  | 100 |
| III          | Core Course 3                                           | UCDSTC21 | Data Structure and Algorithms     | 5  | 5  | 3 | 25  | 75  | 100 |
|              | Core Course 4                                           | UCDSPC22 | Data Structure and Algorithms Lab | 3  | 3  | 3 | 25  | 75  | 100 |
|              | Elective 2                                              | UCDSTA21 | Allied – Statistics II            | 5  | 3  | 3 | 25  | 75  | 100 |
| IV           | Skill Enhancement Course SEC2                           | UCDSPS21 | Computational Mathematics Lab II  | 3  | 2  | 3 | 25  | 75  | 100 |
|              | Skill Enhancement Course SEC3                           | UCDSPS22 | Office Automation Lab             | 2  | 2  | 2 | 25  | 75  | 100 |
|              | Ability Enhancement Compulsory Course AEC2              | UCSSTM21 | Soft Skill II                     | 2  | 2  | 3 | 25  | 75  | 100 |
|              |                                                         |          | TOTAL                             | 30 | 23 | - | 200 | 600 | 800 |
| SEMESTER III |                                                         |          |                                   |    |    |   |     |     |     |
| I            | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL31 | Tamil III                         | 6  | 3  | 3 | 25  | 75  | 100 |
|              |                                                         | UCURTL31 | Urdu III                          |    |    |   |     |     |     |
|              |                                                         | UCARTL31 | Arabic III                        |    |    |   |     |     |     |
|              |                                                         | UCHDTL31 | Hindi III                         |    |    |   |     |     |     |
| II           | English                                                 | UCENTL31 | English III                       | 4  | 3  | 3 | 25  | 75  | 100 |
| III          | Core Course 5                                           | UCDSTC31 | Data Science                      | 4  | 4  | 3 | 25  | 75  | 100 |
|              | Core Course 6                                           | UCDSPC32 | Data Science Lab                  | 3  | 3  | 3 | 25  | 75  | 100 |
|              | Elective 3                                              | UCDSTA31 | Discrete Mathematics I            | 5  | 3  | 3 | 25  | 75  | 100 |
| IV           | Skill Enhancement Course SEC4                           | UCDSPS31 | Discrete Mathematics I Lab.       | 3  | 3  | 3 | 25  | 75  | 100 |

|  |                                                          |          |                       |    |    |   |     |     |     |
|--|----------------------------------------------------------|----------|-----------------------|----|----|---|-----|-----|-----|
|  | Skill Enhancement Course SEC5 [Major Dept] [Online Exam] | UCDSOS32 | Multimedia Systems    | 2  | 1  | 2 | 25  | 75  | 100 |
|  | EVS                                                      |          | Environmental Studies | 1  | -  | - | -   | -   | -   |
|  | Ability Enhancement Compulsory Course AEC3               | UCSSTM31 | Soft Skill III        | 2  | 2  | 3 | 25  | 75  | 100 |
|  |                                                          |          | TOTAL                 | 30 | 22 | - | 200 | 600 | 800 |

| SEMESTER IV |                                                         |          |                                           |    |    |   |     |     |     |
|-------------|---------------------------------------------------------|----------|-------------------------------------------|----|----|---|-----|-----|-----|
| I           | Generic Elective Tamil/ Language (To choose 1 out of 4) | UCTATL41 | Tamil IV                                  | 6  | 3  | 3 | 25  | 75  | 100 |
|             |                                                         | UCURTL41 | Urdu IV                                   |    |    |   |     |     |     |
|             |                                                         | UCARTL41 | Arabic IV                                 |    |    |   |     |     |     |
|             |                                                         | UCHDTL41 | Hindi IV                                  |    |    |   |     |     |     |
| II          | English                                                 | UCENTL41 | English IV                                | 4  | 3  | 3 | 25  | 75  | 100 |
| III         | Core Course 7                                           | UCDSTC41 | Object Oriented Programming with Java     | 4  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 8                                           | UCDSPC42 | Object Oriented Programming with Java Lab | 3  | 3  | 3 | 25  | 75  | 100 |
|             | Elective 4                                              | UCCCTA41 | Discrete Mathematics II                   | 5  | 4  | 3 | 25  | 75  | 100 |
| IV          | Skill Enhancement Course SEC6                           | UCCCP541 | Discrete Mathematics II - Lab             | 3  | 2  | 3 | 25  | 75  | 100 |
|             | Skill Enhancement Course SEC7                           | UCDSTS42 | Web Technology                            | 2  | 2  | 3 | 25  | 75  | 100 |
|             | EVS [Eng. Dept]                                         | UCESOM41 | Environmental Studies                     | 1  | 2  | 2 | 25  | 75  | 100 |
|             | Ability Enhancement Compulsory Course AEC4              | UCSSTM41 | Soft Skill IV                             | 2  | 2  | 3 | 25  | 75  | 100 |
|             |                                                         |          | TOTAL                                     | 30 | 25 | - | 225 | 675 | 900 |
| SEMESTER V  |                                                         |          |                                           |    |    |   |     |     |     |
| III         | Core Course 9                                           | UCDSTC51 | Relational Database Management System     | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 10                                          | UCDSPC52 | RDBMS Using ORACLE Lab                    | 5  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 11                                          | UCDSTC53 | Machine Learning                          | 4  | 4  | 3 | 25  | 75  | 100 |
|             | Core Course 12                                          | UCDSJC54 | Project with Viva-Voce                    | 5  | 4  | 3 | 25  | 75  | 100 |

|             |                                                                                                                                           |                        |                                                          |     |     |   |      |      |      |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------|-----|-----|---|------|------|------|
|             | Discipline Specific Elective 1                                                                                                            | UCDSTE51/<br>UCDSTE52/ | Data Mining & Warehousing / Cyber Forensics              | 4   | 3   | 3 | 25   | 75   | 100  |
|             | Discipline Specific Elective 2                                                                                                            | UCDSTE53/<br>UCDSTE54/ | Software Testing / Network Security                      | 3   | 3   | 3 | 25   | 75   | 100  |
| IV          | VED                                                                                                                                       | UCVEOM51               | Value Education                                          | 2   | 2   | 2 | 25   | 75   | 100  |
| IV          | Summer Internship/Industrial Training (30 Hours)                                                                                          | UCDSIM51               | Internship/Industrial Training                           | 2   | 2   | 3 | 25   | 75   | 100  |
|             |                                                                                                                                           |                        | TOTAL                                                    | 30  | 26  | - | 200  | 600  | 800  |
| SEMESTER VI |                                                                                                                                           |                        |                                                          |     |     |   |      |      |      |
| III         | Core Course 13                                                                                                                            | UCDSTC61               | IoT and Cloud Technologies                               | 6   | 4   | 3 | 25   | 75   | 100  |
|             | Core Course 14                                                                                                                            | UCDSTC62               | IoT and Cloud Technologies – Lab                         | 6   | 4   | 3 | 25   | 75   | 100  |
|             | Core Course 15                                                                                                                            | UCDSTC63               | Artificial Intelligence                                  | 6   | 4   | 3 | 25   | 75   | 100  |
|             | Discipline Specific Elective 3                                                                                                            | UCDSTE61/<br>UCDSTE62/ | Biometrics / Enterprise Resource Planning                | 5   | 3   | 3 | 25   | 75   | 100  |
|             | Discipline Specific Elective 4                                                                                                            | UCDSTE63/<br>UCDSTE64  | Open Source Software Technologies / Qualitative Aptitude | 5   | 3   | 3 | 25   | 75   | 100  |
| IV          | Extension Activity                                                                                                                        | UCEXAM61               | Extension Activity                                       | -   | 1   | - | 25   | 75   | 100  |
| V           | Professional Competency [Online Exam]                                                                                                     | UCDSOP61               | General Awareness for Competitive Examinations           | 2   | 2   | 2 | 25   | 75   | 100  |
|             | SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC [ Mandatory Online Course to be eligible for obtaining the UG degree] |                        |                                                          |     |     |   |      |      |      |
|             |                                                                                                                                           |                        | TOTAL                                                    | 30  | 21  | - | 175  | 525  | 700  |
|             |                                                                                                                                           |                        | Grand Total                                              | 180 | 140 | - | 1050 | 3250 | 4300 |

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## REGULATIONS

### POSTGRADUATE DEGREE PROGRAMMES

(For Students Admitted from 2023-2024)

#### **CBCS**

Choice-Based Credit System is a Flexible System of Learning. Credit defines the quantum of content/ syllabi prescribed for a course and determines the number of hours of instruction required. The distinguishing features of CBCS are the following:

#### **It permits the students to:**

- Choose electives from a wide range of elective courses offered by various departments of the college
- Undergo additional courses and acquire more than the required number of credits
- Adopt an interdisciplinary approach to learning
- Make the best use of the expertise of available faculty

#### **1. Eligibility for Admission**

A Student is eligible for admission to a Master's degree programme if he has successfully completed a three-year undergraduate degree awarded by any University recognized by the UGC in the same subject except for the following:

##### **For M.A. History**

Any three-year undergraduate degree holder is eligible.

##### **For M.Sc. Mathematics**

UG degree in Mathematics/Statistics are eligible.

##### **For M.Sc. Biochemistry**

UG degree in Chemistry / Biochemistry / Zoology / Biotechnology are eligible.

##### **For M.Sc. Biotechnology**

UG degree in Zoology / Biochemistry / Chemistry / Botany/ Biotechnology / Microbiology are eligible.

##### **For M.Sc. Chemistry**

UG degree in Chemistry is eligible.

##### **For M.Com.**

UG degree in Commerce / Corporate Secretaryship / Industrial Organization / Business Administration / B.Com. Computer Application / B.Com. Finance & Accounts / B.A. (Eco.) with two Account Courses are eligible.

## 2. Cancellation of Admission

The admission is at the candidate's risk and is provisional, subject to the approval of Thiruvalluvar University. If for any reason, the admission is not approved, the candidate shall not hold the College responsible for it. If selected, in the event of leaving the College after admission but any time before completing the course, the fee for the residual period of the programme should be paid by the student as per the rules in force.

## 3. Eligibility for the Award of Degree

Students shall be eligible for the award of the Degree only if he has undergone the prescribed course of study in this College for a period of two academic years and passed the examinations of all the Four Semesters prescribed, earning 91 credits and fulfilling such conditions as have been prescribed therefore.

## 4. Duration

The duration of the course shall consist of 4 Semesters in two academic years.

- a. Each academic year shall be divided into two semesters. The first academic year shall comprise the first and second semesters, and the second academic year: the third and fourth semesters, respectively.
- b. The odd semesters shall consist of the period from June to November of each year and the even semesters from December to April of each year. There shall be at least 90 working days composed of 450 instructional hours for each semester.

## 5. Course of Study

The main subject of study for Master's degree courses shall consist of the following:

**PART I:** Core Courses, Discipline Centric Elective and Elective including Project.

**PART II:** Skill Enhancement Courses, Internship, Value Based Course, Extension activity

## 6. Project Work

It is considered a special course involving the application of knowledge in solving/analyzing/exploring real-life situations / difficult problems. The new CBCS provides an opportunity for postgraduate students to learn research components at this level. The project work would be 5 credits given in lieu of one discipline-specific paper in the final semester.

The duration of the project work is 90 hours within the College campus included in the timetable. If the project work requires fieldwork in the industry/data collection / national laboratories or any other reputed institute, the period for such work is assigned as two weeks. If the project work requires fieldwork during the working days of the college, no separate hours are to be earmarked in the final semester timetable.

### **Evaluation of the Project Work**

The Project Work should be individual for PG students. Regarding the evaluation of the project work, the total mark is 100. It is divided into 75 marks for project evaluation and 25 marks for viva-voce examination. The marks for project work evaluation and viva-voce are to be awarded jointly by the internal examiner and the external examiner.

The external examiner is to be drawn from related faculty from affiliating University Departments / any affiliated college offering the respective postgraduate programme under the affiliating University.

## **7. INTERNSHIP/INDUSTRIAL TRAINING**

### **Objectives:**

1. To improve the employability of students pursuing postgraduate level in general degree Programme.
2. To focus on outcome-based learning in degree Programmes.
3. To promote active linkage between the higher education system and industry, non-commercial and commercial enterprise/ organisations.

### **Duration:**

1. The Internship/Industrial training during the first-year vacation will help the students gain valuable work experience, that connects classroom knowledge to real-world experience and to narrow down and focus on the career path.
2. The period of Internship/Industrial training shall be of 30 hours duration apart from the regular teaching hours.
3. Students may commence their Internship/Industrial training from the II Semester holidays onwards.
4. The spells of Internship/Industrial training shall be scheduled either continuously or at intervals depending upon the requirement and practicality of the discipline concerned.



## Evaluation of the Internship/Industrial Training Report

Regarding the evaluation of the Internship/Industrial training project report and project with a viva-voce examination in the third semester, the total mark is 100. It is divided into 75 marks for project evaluation and 25 marks for the viva-voce examination. The marks for project work evaluation and viva-voce are to be awarded jointly by the internal examiner and the external examiner.

The external examiner is to be drawn from related faculty affiliating University Departments / any affiliated college within our University jurisdiction.

### Credit Mechanism:

1. Credits for the apprenticeship/internship programme shall be included in the total credits of the entire programme.
2. Five (5) Credits for the degree programme should be assigned to internship / Industrial Training.

| Programme                             | Duration                                    | Credit | Total Marks |                |
|---------------------------------------|---------------------------------------------|--------|-------------|----------------|
| Internship/Industrial Training Report | 30 hours<br>(Beyond Regular Teaching hours) | 5      | Viva        | Project Report |
|                                       |                                             |        | 25          | 75             |

### Submission of Internship / Industrial Training Reports

The projects for the PG degree programme may be independent. The format for the title page, certificate by the project advisor, declaration by the candidate(s) and the certificate for internship training shall be in the format as prescribed by the Examination Cell. The project reports duly countersigned by the Head of the Department concerned and the Principal should be submitted to the office of the Controller of Examination within the specified date.

### 7. Continuous Internal Assessment [CIA] Test

The following assessment procedure will be followed for Internal Marks:

CIA Test I : Two / Three hours duration for 75 marks

CIA Test II : Three hours duration for 75 marks

| Marks Distribution                    | Theory & Practical |
|---------------------------------------|--------------------|
| CIA Test Marks 150 to be converted to | 10 Marks           |
| Library Usage in Hours                | 5 Marks            |
| Assignment / Seminar / Observation    | 5 Marks            |
| Attendance                            | 5 Marks            |
| <b>TOTAL</b>                          | <b>25 Marks</b>    |

| Reg. No | Name | Test I - 75 | Test II - 75 | Total - 150 | Marks converted to 10 | Library Usage<br>Min. 30 hours – 5 | Assignment/ Seminar 5 | Attendance - 5 | Total for 25 (Rounded Off) |
|---------|------|-------------|--------------|-------------|-----------------------|------------------------------------|-----------------------|----------------|----------------------------|
|         |      |             |              |             |                       |                                    |                       |                |                            |

In the last column, any fraction may be rounded off to the nearest integer.

The marks for Attendance component in the Continuous Internal Assessment should be calculated as follows:

| Attendance Earned | Category       | Marks to be Awarded |
|-------------------|----------------|---------------------|
| 90 % and Above    | Highly Regular | 5                   |
| 75% but below 90% | Regular        | 4                   |
| 65% but below 75% | Shortage       | 3                   |
| 55% but below 65% | Detained       | 2                   |
| Below 55 %        | Redo           | 0                   |

#### Library Usage for all UG Programmes - 20 hours per Semester

| Library usage for PG in hours | Marks to be awarded |
|-------------------------------|---------------------|
| 1 hour to 10 hours            | 3                   |
| 10 hours to 20 hours          | 4                   |
| 20 hours and above            | 5                   |

### 8. Requirements for proceeding to Subsequent Semesters

- Students shall register their names for the First Semester Examinations after admission to the P.G. Programme.
- Students shall be permitted to proceed from the First Semester up to Final Semester irrespective of the number of arrears in any of the End Semester Examinations.
- Students shall be eligible to go to subsequent semesters as per the attendance rules prescribed by the Governing Body of Islamiah College from time to time.

### 9. Requirement to take the End Semester Examinations

- The student will be permitted to take the University Examination for any Semester, if
  - he secures at least 75% of attendance out of the 90 instructional days / 450 instructional hours during the particular Semester.

- he earns a progress Certificate from the Head of the Institution for having satisfactorily completed the Course of Study prescribed in the Subject as required by the Regulations, and
- his conduct has been satisfactory.

- b) Students will be permitted to appear for Practical Examinations only if they have attended 75 % of the Practical Classes. Students who have secured attendance less than 75% but 65% and above shall be permitted to take the Examination on the recommendation of the Head of the Department and approved by the Principal to condone the lack of attendance as well on the payment of the prescribed condonation fee to the College. A Student who has secured attendance of less than 65% but 55% and above is detained for that particular semester. He / She will be permitted to write the examinations in the next Odd / Even Semester by paying the prescribed condonation fee.

The candidates who have an attendance of less than 55% are detained and they shall REDO the semester after completion of the programme and after getting re-admission that too at the sole discretion of the Principal. However, readmission will be allowed only during the respective semester of the programme. Those who asked to redo the course can continue their studies without a break, but that particular semester after completing the programme by attending the special classes arranged by HOD concerned.

The REDO students who have already completed their CIA Test and Practical Examination with at least minimum qualifying marks may be exempted from reappearing for the CIA Test and Practical Examination again in the readmitted Semester. However, if any student wishes to improve upon his marks, he can appear for the CIA Test and Practical Examinations. In such a case, the original marks or the marks secured in the readmitted semester, whichever is higher, shall be taken as final marks

## 10. Passing Minimum

- There shall be no Passing Minimum for Internal Assessment.
- For End Semester Examinations, the minimum passing Letter Grade shall be **“P”** (Minimum 50 % of the maximum marks prescribed for the paper).
- In the aggregate (End Semester Examination + Internal) the minimum passing Letter Grade shall be **“P”** for each Paper / Practical / Project and Viva-voce.
- Final Grading shall be based on the overall Grade Points earned (Internal + External)

## 11. Grading System

The marks earned by a candidate in the Internal Assessment and End Semester Examinations for each of the courses will be added. The marks thus obtained will then be converted into Letter Grades and Grade points as per the details given below:

| Range of Marks | Letter Grade | Grade Points |
|----------------|--------------|--------------|
| 96 – 100       | O            | 10           |
| 86 – 95        | A+           | 9            |
| 76 – 85        | A            | 8            |
| 66 – 75        | B+           | 7            |
| 55 – 65        | B            | 6            |
| 50 – 54        | C            | 5            |
| 00 – 49        | F            | 0            |
| Absent         | Ab           | 0            |

### Illustration of SGPA

| Semester | Course       | Credit    | Grade Letter | Grade Point | Credit Point [Credit x Grade] |
|----------|--------------|-----------|--------------|-------------|-------------------------------|
| I        | Course 1     | 5         | A +          | 9           | 45                            |
|          | Course 2     | 5         | A            | 8           | 40                            |
|          | Course 3     | 4         | O            | 10          | 40                            |
|          | Course 4     | 4         | P            | 5           | 20                            |
|          | Elective     | 4         | B            | 6           | 24                            |
|          | <b>Total</b> | <b>22</b> |              |             | <b>169</b>                    |
| II       | Course 1     | 5         | P            | 5           | 25                            |
|          | Course 2     | 5         | B+           | 7           | 35                            |
|          | Course 3     | 4         | O            | 10          | 40                            |
|          | Course 4     | 4         | A            | 8           | 32                            |
|          | Elective     | 4         | A+           | 9           | 36                            |
|          | <b>Total</b> | <b>22</b> |              |             | <b>168</b>                    |

| Semester | Course                  | Credit    | Grade Letter | Grade Point | Credit Point [Credit x Grade] |
|----------|-------------------------|-----------|--------------|-------------|-------------------------------|
| III      | Course 1                | 5         | A+           | 9           | 45                            |
|          | Course 2                | 5         | O            | 10          | 50                            |
|          | Course 3                | 4         | B            | 6           | 24                            |
|          | Course 4                | 4         | B            | 6           | 24                            |
|          | Elective                | 4         | P            | 5           | 20                            |
|          | <b>Total</b>            | <b>22</b> |              |             | <b>163</b>                    |
| IV       | Course 1                | 5         | O            | 10          | 50                            |
|          | Course 2                | 5         | A            | 8           | 40                            |
|          | Course 3                | 4         | A+           | 9           | 36                            |
|          | Course 4 / Project Work | 4         | B+           | 7           | 28                            |
|          | Elective                | 4         | P            | 5           | 20                            |
|          | Non Major Elective      | 2         | O            | 10          | 20                            |
|          | <b>Total</b>            | <b>24</b> |              |             | <b>194</b>                    |

For Example, the calculation of SGPA for the Four Semesters are calculated as follows:

$$SGPA\ I = \frac{169}{22} = 7.7$$

$$SGPA\ II = \frac{168}{22} = 7.6$$

$$SGPA\ III = \frac{163}{22} = 7.4$$

$$SGPA\ IV = \frac{194}{24} = 8.1$$

The CGPA for the PG degree is:

$$CGPA = \frac{169 + 168 + 163 + 194}{90} = \frac{694}{90} = 7.7$$

## 12. Classification of Successful Candidates

Successful candidates who passed all the specified courses in a programme are classified as follows:

|                                                                          |                                |
|--------------------------------------------------------------------------|--------------------------------|
| Passed all the courses with CGPA <b>7.5</b> and above without any arrear | : First Class with Distinction |
| Passed all the courses with CGPA <b>6 to 7.4</b>                         | : First Class                  |
| Passed all the courses with CGPA <b>5.5 to 5.9</b>                       | : Second Class                 |

The total performance within a semester and continuous performance starting from the first semester are indicated respectively by Grade point Average (GPA) and Cumulative Grade point Average (CGPA). These two are calculated by the following formula.

$$GPA = \frac{\sum_i C_i G_i}{\sum_i C_i} = \frac{\text{Sum of the product of credits and grade points earned}}{\text{Sum of the credits of the courses in a Semester}}$$

$$CGPA = \frac{\sum_n \sum_i C_{ni} G_{ni}}{\sum_n \sum_i C_{ni}}$$

$$= \frac{\text{Sum of the product of the credits and grade points earned}}{\text{Sum of the credits for the entire programme}}$$

Where  $C_i$  is the credit earned for the course  $i$  in any semester,  $G_i$  is the grade point obtained by the student for the course  $i$  and  $n$  is the number of courses passed in that semester.

CGPA is the GPA of all the courses starting from the first semester to the current semester.

**13. The Medium of Instruction and Examinations**

The medium of instruction and Question Paper shall be in English. The students having arrears in any semesters shall appear for such courses in the next End Semester Examinations.

**14. Submission of Record Notebooks for Practical Examinations**

Students taking the practical Examinations should submit Bonafide Record Note Books prescribed for the Practical Examinations. Otherwise, the candidates will not be permitted to take the Practical Examinations. However, in genuine cases, where students could not submit the record notebooks may be permitted to take the Practical Examinations provided the Head of the Department and the Course Teacher concerned certify that the candidate has performed the experiments prescribed for the course. For such candidates who do not submit Record Books, zero marks will be awarded for record notebooks in the Practical Examination concerned.

In case a candidate does not secure the prescribed passing minimum in the Practical Examination, the marks awarded for the Record Note Book at the time of first appearance for the Practical Examination should be made available by the Head of the Department concerned.

**15. Improvement of Marks in the courses already passed**

Students who are desirous of improving the marks secured in a passed course shall reappear in the immediate next End Semester Examination. The improvement in Letter Grade shall be considered for Classification / Distinction. If there is no improvement, there shall not be any change in the original Letter Grade already obtained. The fee for such appearances will be decided by the Governing Body from time to time. The candidate will not be allowed to improve marks in the Practicals, Project, Viva-Voce and field works.

**16. Self-Supportive Courses**

The above Regulations shall apply to candidates undergoing the respective self-supportive courses also.

**17. Rank Holders**

The students who secure the highest marks in aggregate of all the subjects in the first attempt of the autonomous examinations will be the Rank holders. This applies to all UG & PG programmes of our College. The Rank Holder will be awarded a certificate and prize.

## 18. MOOC

All the PG Students admitted from the academic year 2024-2025 shall have to complete one MOOC (SWAYAM /NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay) of a minimum of 4 weeks duration as mandatory during the programme as per the norms, to be eligible for obtaining the PG degree.

## 19. Transitory Provision

Students who have joined the programme from the academic year 2024-25 will be permitted to appear for the examinations under this Regulation for a maximum period of **FOUR** years. Thereafter, they will be permitted to appear for the examinations only under the new Regulations in force. The equivalent paper to be written will be decided by the Chairman of the respective BOS. Such candidates have to reregister for the course. The fee for such re-registration will be decided by the Governing Body from time to time.

### QUESTION PAPER PATTERN FOR PG PROGRAMMES – 3 HOURS DURATION

|                                                |                                                                                    |                   |
|------------------------------------------------|------------------------------------------------------------------------------------|-------------------|
| <b>Part A</b>                                  | To answer All the 10 MCQs<br>(Two questions from each UNIT)                        | 10 x 1 = 10 Marks |
| <b>Part B</b>                                  | To answer All the 5 questions<br>(One question from each UNIT)                     | 5 x 2 = 10 Marks  |
| <b>Part C</b>                                  | To answer All the 5 questions<br>(either or type)<br>(One question from each UNIT) | 5 x 5 = 25 Marks  |
| <b>Part D</b>                                  | To answer 3 questions<br>(out of 5 questions)<br>(One question from each UNIT)     | 3 x 10 = 30 Marks |
| <b>TOTAL</b>                                   |                                                                                    | <b>75 Marks</b>   |
| (Equal Weightage should be given to each unit) |                                                                                    |                   |

**Question paper Pattern for Value Based Course: Human Rights**  
**50 MCQs (Answer All Questions) x 1.5 = Total 75 Marks**  
**Online Exam Duration: 2 Hours**

**ISLAMIAH COLLEGE (AUTONOMOUS)  
COURSE STRUCTURE FOR PG PROGRAMMES  
(CBCS PATTERN)  
(For Students admitted from 2023-2024)**

**M.A ENGLISH DEGREE PROGRAMME (CBCS PATTERN)  
(For Students admitted from Academic Year 2023-2024)**

**PROGRAMME OUTCOMES**

- PO1** Conduct Research independently to bring out new facts and strengthen the existing body of knowledge. Communicate the findings of Research through well structured Report.
- PO2** Demonstrate domain-specific knowledge and its applications in real-life situations
- PO3** Synthesise learned knowledge and skills to effectively and efficiently perform the job duties of a profession
- PO4** Critically evaluate a situation and suggest a solution after careful consideration of the alternatives
- PO5** Exhibit potential to accomplish tasks independently or as a member or leader of a team
- PO6** Plan and Execute a Project after careful evaluation of the activities involved
- PO7** Develop products, Design Policies, and/or collaborate to help Society in building a Sustainable Environment
- PO8** Discover a passion for Lifelong Learning through MOOCs, ODL, and Self - Learning techniques through the optimum use of ICT
- PO9** Identify the need and importance of Human Rights, especially for Women, Children, Bonded Labourers, and Refugees.
- PO10** Exhibit Ethics and Values in professional, Social, and Personal spheres of life, caring for the underprivileged, leading to a better sustainable future

**PROGRAMME SPECIFIC OUTCOMES**

|             |                                                                                     |
|-------------|-------------------------------------------------------------------------------------|
| <b>PSO1</b> | Illustrate the connection between modern themes and classical and romantic ideas    |
| <b>PSO2</b> | Explains the methodical approach to the literature and categorize it.               |
| <b>PSO3</b> | Compare the language's scientific and non-scientific ways of doing things.          |
| <b>PSO4</b> | Discovers the visual arts which is a vexing and complex history.                    |
| <b>PSO5</b> | Connects the language as the study of reasoning and the theory of language.         |
| <b>PSO6</b> | Defends why people are complicit with their ideological construction,               |
| <b>PSO7</b> | Develops the systematic study of literature and methods to analyze                  |
| <b>PSO8</b> | Writes effectiveness of rational inquiry, and logical and empirical investigations. |



| Programme Specific Outcomes (PSOs)             | Programme Outcomes (POs) |     |     |     |     |     |     |     |     |      |
|------------------------------------------------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                                                | PO1                      | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| PSO1                                           | ✓                        | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO2                                           | ✓                        | ✓   |     | ✓   | ✓   | ✓   | ✓   | ✓   |     |      |
| PSO3                                           | ✓                        | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |      |
| PSO4                                           | ✓                        | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO5                                           | ✓                        | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |      |
| PSO6                                           | ✓                        | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |      |
| PSO7                                           | ✓                        | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     |     | ✓    |
| PSO8                                           | ✓                        | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     | ✓   | ✓    |
| Number of Matches = 74, Correlation: Very High |                          |     |     |     |     |     |     |     |     |      |

**MAPPING OF PROGRAMME-SPECIFIC OUTCOMES WITH PROGRAMME OUTCOMES  
MAPPING CORRELATION BENCHMARK**

| Mapping     | 1-30% | 31-60%   | 61-70% | 71-100%   |
|-------------|-------|----------|--------|-----------|
| Matches     | 1-24  | 25-50    | 51-56  | 57-80     |
| Correlation | Poor  | Moderate | High   | Very High |

| COURSE STRUCTURE FOR M.A. ENGLISH<br>(For Students admitted from the academic year 2023-2024) |                                 |                       |                                                                               |           |        |            |     |     |       |
|-----------------------------------------------------------------------------------------------|---------------------------------|-----------------------|-------------------------------------------------------------------------------|-----------|--------|------------|-----|-----|-------|
| Part                                                                                          | Category                        | Course Code           | Course Title                                                                  | Hrs./Week | Credit | Exam. Hrs. | QA  | ESE | TOTAL |
| SEMESTER I                                                                                    |                                 |                       |                                                                               |           |        |            |     |     |       |
| I                                                                                             | Core Course I                   | PCENTC11              | English Poetry                                                                | 6         | 4      | 3          | 25  | 75  | 100   |
|                                                                                               | Core Course II                  | PCENTC12              | English Drama                                                                 | 6         | 4      | 3          | 25  | 75  | 100   |
|                                                                                               | Core Course III                 | PCENTC13              | English Fiction                                                               | 5         | 4      | 3          | 25  | 75  | 100   |
|                                                                                               | Core Course IV                  | PCENTC14              | Women's Writing in English                                                    | 5         | 4      | 3          | 25  | 75  | 100   |
|                                                                                               | Discipline Centric Elective I   | PCENTE11/<br>PCENTE12 | 1. Indian Writing in English<br>2. Indian English Poetry                      | 4         | 2      | 3          | 25  | 75  | 100   |
|                                                                                               | Generic Elective II             | PCENTE13/<br>PCENTE14 | 1. Theatre Art<br>2. Critical Interpretation of R.K. Narayan                  | 4         | 2      | 3          | 25  | 75  | 100   |
|                                                                                               |                                 |                       | TOTAL                                                                         | 30        | 20     | -          | 150 | 450 | 600   |
| SEMESTER II                                                                                   |                                 |                       |                                                                               |           |        |            |     |     |       |
| I                                                                                             | Core Course V                   | PCENTC21              | American Literature                                                           | 6         | 5      | 3          | 25  | 75  | 100   |
|                                                                                               | Core Course VI                  | PCENTC22              | Shakespeare Studies                                                           | 6         | 5      | 3          | 25  | 75  | 100   |
|                                                                                               | Core Course VII                 | PCENTC23              | Post-colonial Theory and Literature                                           | 6         | 4      | 3          | 25  | 75  | 100   |
|                                                                                               | Discipline Centric Elective III | PCENTE21/<br>PCENTE22 | 1. Approaches to English Language Teaching<br>2. Interpretation of Literature | 4         | 3      | 3          | 25  | 75  | 100   |
|                                                                                               | Elective IV                     | PCENTE23/<br>PCENTE24 | 1. A Glimpse of Nobel Laureates<br>2. Modern English Literature               | 4         | 3      | 3          | 25  | 75  | 100   |
| II                                                                                            | Skill Enhancement Course SEC1   | PCENTS21              | Technology in Teaching English                                                | 4         | 2      | 3          | 25  | 75  | 100   |
|                                                                                               |                                 |                       | TOTAL                                                                         | 30        | 22     | -          | 150 | 450 | 600   |
| SEMESTER III                                                                                  |                                 |                       |                                                                               |           |        |            |     |     |       |
| I                                                                                             | Core Course VIII                | PCENTC31              | Contemporary Literary Criticism                                               | 6         | 5      | 3          | 25  | 75  | 100   |
|                                                                                               | Core Course IX                  | PCENTC32              | Canadian Studies                                                              | 6         | 5      | 3          | 25  | 75  | 100   |
|                                                                                               | Core Course X                   | PCENTC33              | Literature of the Marginalized in India                                       | 6         | 5      | 3          | 25  | 75  | 100   |

|             |                                                                                                                                          |                       |                                                                                 |     |    |   |     |      |      |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------|-----|----|---|-----|------|------|
|             | Core Course XI                                                                                                                           | PCENTC34              | Film and Media Studies                                                          | 4   | 3  | 3 | 25  | 75   | 100  |
|             | Discipline Centric Elective V                                                                                                            | PCENTE31/<br>PCENTE32 | 1. Translation Studies<br>2. Technical Writing                                  | 4   | 3  | 3 | 25  | 75   | 100  |
| II          | Skill Enhancement Course SEC2                                                                                                            | PCENTS31              | Entrepreneurship Development                                                    | 4   | 3  | 3 | 25  | 75   | 100  |
|             | Internship [30 Hours]                                                                                                                    | PCENIS31              | Internship / Industrial Activity                                                | -   | 2  | 3 | 25  | 75   | 100  |
|             |                                                                                                                                          |                       | Total                                                                           | 30  | 26 | - | 175 | 525  | 700  |
| SEMESTER IV |                                                                                                                                          |                       |                                                                                 |     |    |   |     |      |      |
| I           | Core Course XII                                                                                                                          | PCENTC41              | Twenty-First-Century Millennial Literature and Culture                          | 6   | 4  | 3 | 25  | 75   | 100  |
|             | Core Course XIII                                                                                                                         | PCENTC42              | Subaltern Studies                                                               | 6   | 4  | 3 | 25  | 75   | 100  |
|             | Elective VI                                                                                                                              | PCENTE41/<br>PCENPE42 | 1. New Trends of Contemporary Literature<br>2. Aesthetics in English Literature | 5   | 4  | 3 | 25  | 75   | 100  |
|             | Core Course XIV                                                                                                                          | PCENJC43              | Project with Viva-Voce                                                          | 6   | 5  | 3 | 25  | 75   | 100  |
| II          | Skill Enhancement Course SEC3                                                                                                            | PCENTS41/<br>PCENTS42 | 1. English Literature for NET, SET & GATE<br>2. Computer Literacy in Teaching   | 5   | 3  | 3 | 25  | 75   | 100  |
|             | Value-Based Course [Online Exam]                                                                                                         | PCHROM41              | Human Rights                                                                    | 2   | 2  | 2 | 25  | 75   | 100  |
| III         | Extension Activity                                                                                                                       | PCEXAM41              | Extension Activity                                                              | -   | 1  | 3 | 25  | 75   | 100  |
|             | SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC[ Mandatory Online Course to be eligible for obtaining the PG degree] |                       |                                                                                 |     |    |   |     |      |      |
|             |                                                                                                                                          |                       | Total                                                                           | 30  | 23 | - | 175 | 525  | 700  |
|             |                                                                                                                                          |                       | Grand Total                                                                     | 120 | 91 |   | 650 | 1950 | 2600 |

**M.A HISTORY DEGREE PROGRAMME (CBCS PATTERN)  
(For Students admitted from Academic Year 2023-2024)**

**PROGRAMME OUTCOMES**

**Programme Outcomes (POs):**

**PO1: Problem-Solving and Decision-Making Skill**

Apply knowledge of Management theories and Human Resource practices to solve business problems through research in a Global context. Foster analytical and critical thinking abilities for data-based decision-making.

**PO2: Ethical Value**

Ability to incorporate quality, ethical and legal value-based perspectives to all organizational activities and in conducting one's life.

**PO3: Communication Skill**

Ability to develop communication, managerial and interpersonal skills.

**PO4: Individual and Team Leadership Skill**

Capability to lead themselves and the team to achieve organizational goals.

**PO5: Employability Skill**

Inculcate contemporary business practices to enhance employability skills in the competitive environment.

**PO6: Entrepreneurial Skill**

Equip with skills and competencies to become an entrepreneur.

**PO7: Contribution to Society**

Succeed in career endeavours and contribute significantly to society.

**PO8: Multicultural competence**

Possess knowledge of the values and beliefs of multiple cultures and a global perspective.

**Programme Specific Outcomes (PSOs)**

**PSO1 – Placement**

To prepare the students who will demonstrate respectful engagement with others' ideas, behaviours, and beliefs and apply diverse frames of reference to decisions and actions.

**PSO 2 - Entrepreneur**

To create effective entrepreneurs by enhancing their critical thinking, problem-solving, decision making and leadership skill that will facilitate startups and high-potential organizations.

**PSO3 – Research and Development**

Design and implement HR systems and practices grounded in research that comply with employment laws, leading the organization towards growth and development.

**PSO4 – Contribution to Business World**

To produce employable, ethical and innovative professionals to sustain in the dynamic business world.

**PSO 5 – Contribution to the Society**

To contribute to the development of society by collaborating with stakeholders for mutual benefit.

**MAPPING OF PROGRAMME-SPECIFIC OUTCOMES WITH PROGRAMME OUTCOMES**

| Programme Specific Outcomes (PSOs) | P O 1 | PO2 | PO3 | PO4 | P O 5 | PO6 | P O 7 | P O 8 |
|------------------------------------|-------|-----|-----|-----|-------|-----|-------|-------|
| PSO1                               | 3     | 3   | 3   | 3   | 3     | 3   | 2     | 3     |
| PSO2                               | 3     | 2   | 3   | 3   | 3     | 3   | 2     | 2     |
| PSO3                               | 3     | 2   | 3   | 2   | 2     | 2   | 3     | 3     |
| PSO4                               | 3     | 3   | 3   | 3   | 3     | 3   | 2     | 2     |
| PSO5                               | 3     | 3   | 2   | 2   | 2     | 2   | 3     | 2     |

(3 – Strong) (2 – Medium) (1 – Low)

| COURSE STRUCTURE FOR M.A. HISTORY<br>(For Students admitted from the academic year 2023-2024) |                               |                       |                                                                                  |           |        |            |     |     |       |
|-----------------------------------------------------------------------------------------------|-------------------------------|-----------------------|----------------------------------------------------------------------------------|-----------|--------|------------|-----|-----|-------|
| Part                                                                                          | Category                      | Course Code           | Course Title                                                                     | Hrs./Week | Credit | Exam. Hrs. | CIA | ESE | TOTAL |
| SEMESTER I                                                                                    |                               |                       |                                                                                  |           |        |            |     |     |       |
| I                                                                                             | Core Course I                 | PCHITC11              | History of Ancient and Early Medieval India - Prehistory to 1206 Common Era (CE) | 6         | 4      | 3          | 25  | 75  | 100   |
|                                                                                               | Core Course II                | PCHITC12              | Socio-Cultural History of Tamil Nadu up to 1565 CE                               | 6         | 4      | 3          | 25  | 75  | 100   |
|                                                                                               | Core Course III               | PCHITC13              | History of World Civilizations (Excluding India)                                 | 5         | 4      | 3          | 25  | 75  | 100   |
|                                                                                               | Core Course IV                | PCHITC14              | Muslims' Contribution to Humanity                                                | 5         | 4      | 3          | 25  | 75  | 100   |
|                                                                                               | Discipline Centric Elective I | PCHITE11/<br>PCHITE12 | Freedom Struggle in Tamil Nadu / Indian Art and Architecture                     | 4         | 2      | 3          | 25  | 75  | 100   |
|                                                                                               | Elective II                   | PCHITE13/<br>PCHITE14 | Administrative History of Tamil Nadu / Cultural Heritage of India                | 4         | 2      | 3          | 25  | 75  | 100   |
|                                                                                               |                               |                       | TOTAL                                                                            | 30        | 20     | -          | 150 | 450 | 600   |

| SEMESTER II  |                                 |                     |                                                                                      |           |           |          |            |            |            |
|--------------|---------------------------------|---------------------|--------------------------------------------------------------------------------------|-----------|-----------|----------|------------|------------|------------|
| I            | Core Course V                   | PCHITC21            | History of Medieval India - 1206 - 1707 CE                                           | 6         | 5         | 3        | 25         | 75         | 100        |
|              | Core Course VI                  | PCHITC22            | Socio-Cultural History of Tamil Nadu - 1565 - 2000 CE                                | 6         | 5         | 3        | 25         | 75         | 100        |
|              | Core Course VII                 | PCHITC23            | Historiography and Historical Methods                                                | 6         | 4         | 3        | 25         | 75         | 100        |
|              | Discipline Centric Elective III | PCHITE21/ PCHITE22  | History of Journalism / International Migrations and Diasporic Studies               | 4         | 3         | 3        | 25         | 75         | 100        |
|              | Elective IV                     | PCHITE23/ PCHITE24  | Indian Constitution / Environmental History of India                                 | 4         | 3         | 3        | 25         | 75         | 100        |
| II           | Skill Enhancement Course SEC1   | PCHITS21            | Growth of Panchayati Raj Institutions in India(with special reference to Tamil Nadu) | 4         | 2         | 3        | 25         | 75         | 100        |
|              |                                 |                     | <b>TOTAL</b>                                                                         | <b>30</b> | <b>22</b> | <b>-</b> | <b>150</b> | <b>450</b> | <b>600</b> |
| SEMESTER III |                                 |                     |                                                                                      |           |           |          |            |            |            |
| I            | Core Course VIII                | PCHITC31            | Colonialism and Nationalism in India                                                 | 6         | 5         | 3        | 25         | 75         | 100        |
|              | Core Course IX                  | PCHITC32            | Intellectual History of India                                                        | 6         | 5         | 3        | 25         | 75         | 100        |
|              | Core Course X                   | PCHITC33            | Economic History of India since 1857 CE                                              | 6         | 4         | 3        | 25         | 75         | 100        |
|              | Core Course XI                  | PCHITC34            | Tourism in Tamil Nadu                                                                | 4         | 4         | 3        | 25         | 75         | 100        |
|              | Discipline Centric Elective V   | PCHITE31 / PCHITE32 | Principles and Techniques of Archaeology / Introduction to Sociology                 | 4         | 3         | 3        | 25         | 75         | 100        |
| II           | Skill Enhancement Course SEC2   | PCHITS31            | Communication Strategies for Leadership Success                                      | 4         | 3         | 3        | 25         | 75         | 100        |
|              | Internship [30 Hours]           | PCHIIM31            | Internship / Industrial Activity                                                     | -         | 2         | 3        | 25         | 75         | 100        |
|              |                                 |                     | <b>TOTAL</b>                                                                         | <b>30</b> | <b>26</b> | <b>-</b> | <b>175</b> | <b>525</b> | <b>700</b> |

| SEMESTER IV                                                                                                                              |                                  |                     |                                                                                 |     |    |   |     |      |      |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------|---------------------------------------------------------------------------------|-----|----|---|-----|------|------|
|                                                                                                                                          | Core Course XII                  | PCHITC41            | Contemporary India                                                              | 6   | 4  | 3 | 25  | 75   | 100  |
|                                                                                                                                          | Core Course XIII                 | PCHITC42            | Peasant and Labour Movements in India                                           | 6   | 4  | 3 | 25  | 75   | 100  |
|                                                                                                                                          | Core Course XIV                  | PCHUIC43            | Project with Viva Voce                                                          | 6   | 5  | 3 | 25  | 75   | 100  |
|                                                                                                                                          | Elective VI                      | PCHITE41 / PCHITE42 | Women in India through the Ages / Science and Technology in India since 1947 CE | 5   | 4  | 3 | 25  | 75   | 100  |
| II                                                                                                                                       | Skill Enhancement Course SEC3    | PCHITS41            | Cargo and Logistics                                                             | 5   | 3  | 3 | 25  | 75   | 100  |
|                                                                                                                                          | Value-based Course {Online Exam} | PCHROM41            | Human Rights                                                                    | 2   | 2  | 2 | 25  | 75   | 100  |
| III                                                                                                                                      | Extension Activity               | PCEXAM41            | Extension Activity                                                              | -   | 1  | 3 | 25  | 75   | 100  |
| SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC[ Mandatory Online Course to be eligible for obtaining the PG degree] |                                  |                     |                                                                                 |     |    |   |     |      |      |
|                                                                                                                                          |                                  |                     | TOTAL                                                                           | 30  | 23 | - | 175 | 525  | 700  |
|                                                                                                                                          |                                  |                     | Grand Total                                                                     | 120 | 91 |   | 650 | 1950 | 2600 |

**M.COM. DEGREE PROGRAMME (CBCS PATTERN)**  
**(For Students admitted from Academic Year 2023-2024)**

**PROGRAMME OUTCOMES**

PO1: Problem-Solving Skill: Apply knowledge of Management theories and Human Resource practices to solve business problems through research in a Global context.

PO2: Decision-Making Skill: Foster analytical and critical thinking abilities for data-based decision-making.

PO3: Ethical Value: Ability to incorporate quality, ethical and legal value-based perspectives to all organizational activities.

PO4: Communication Skill: Ability to develop communication, managerial and interpersonal skills.

PO5: Individual and Team Leadership Skill: Capability to lead themselves and the team to achieve organizational goals.

PO6: Employability Skill: Inculcate contemporary business practices to enhance employability skills in the competitive environment.

PO7: Entrepreneurial Skill: Equip with skills and competencies to become an entrepreneur.

PO8: Contribution to Society: Succeed in career endeavours and contribute significantly to society.

PO 9: Multicultural competence: Possess knowledge of the values and beliefs of multiple cultures and a global perspective.

PO 10: Moral and ethical awareness/reasoning: Ability to embrace moral/ethical values in conducting one's life.

| <b>COURSE STRUCTURE FOR M.COM. COMMERCE</b><br><b>(For Students admitted from the academic year 2023-2024)</b> |                    |                       |                                     |           |        |            |     |     |       |
|----------------------------------------------------------------------------------------------------------------|--------------------|-----------------------|-------------------------------------|-----------|--------|------------|-----|-----|-------|
| Part                                                                                                           | Category           | Course Code           | Course Title                        | Hrs./Week | Credit | Exam. Hrs. | CIA | ESE | TOTAL |
| <b>SEMESTER I</b>                                                                                              |                    |                       |                                     |           |        |            |     |     |       |
| <b>I</b>                                                                                                       | Core Course I      | PCCOTC11              | Business Finance                    | 6         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                                | Core Course II     | PCCOTC12              | Digital Marketing                   | 6         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                                | Core Course III    | PCCOTC13              | Banking and Insurance               | 5         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                                | Core Course IV     | PCCOTC14              | Accounting for Managerial Decisions | 5         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                                | Discipline Centric | PCCOTE11/<br>PCCOTE12 | Security Analysis and Portfolio     | 4         | 2      | 3          | 25  | 75  | 100   |



|              |                                       |                       |                                                                                     |    |    |   |     |     |     |
|--------------|---------------------------------------|-----------------------|-------------------------------------------------------------------------------------|----|----|---|-----|-----|-----|
|              | Elective I                            |                       | Management/<br>Operations<br>Research                                               |    |    |   |     |     |     |
|              | Elective II                           | PCCOTE13/<br>PCCOTE14 | Strategic Human<br>Resource<br>Management<br>/Labour Laws                           | 4  | 2  | 3 | 25  | 75  | 100 |
|              |                                       |                       | TOTAL                                                                               | 30 | 20 | - | 150 | 450 | 600 |
| SEMESTER II  |                                       |                       |                                                                                     |    |    |   |     |     |     |
| I            | Core Course V                         | PCCOTC21              | Strategic Cost<br>Management                                                        | 6  | 5  | 3 | 25  | 75  | 100 |
|              | Core Course VI                        | PCCOTC22              | Corporate<br>Accounting                                                             | 6  | 5  | 3 | 25  | 75  | 100 |
|              | Core Course VII                       | PCCOTC23              | Setting up of<br>Business Entities                                                  | 6  | 4  | 3 | 25  | 75  | 100 |
|              | Discipline<br>Centric<br>Elective III | PCCOTE21/<br>PCCOTE22 | Business Ethics and<br>Corporate<br>Sustainability/ Audit<br>and Due Diligence      | 4  | 3  | 3 | 25  | 75  | 100 |
|              | Elective IV                           | PCCOTE23/<br>PCCOTE24 | Rural and<br>Agricultural<br>Marketing/ Logistics<br>and Supply Chain<br>Management | 4  | 3  | 3 | 25  | 75  | 100 |
| II           | Skill<br>Enhancement<br>Course SEC1   | PCCOTS21              | Advanced Business<br>Statistics                                                     | 4  | 2  | 3 | 25  | 75  | 100 |
|              |                                       |                       | TOTAL                                                                               | 30 | 22 | - | 150 | 450 | 600 |
| SEMESTER III |                                       |                       |                                                                                     |    |    |   |     |     |     |
| I            | Core Course VIII                      | PCCOTC31              | Taxation                                                                            | 6  | 5  | 3 | 25  | 75  | 100 |
|              | Core Course IX                        | PCCOTC32              | Research<br>Methodology                                                             | 6  | 5  | 3 | 25  | 75  | 100 |
|              | Core Course X                         | PCCOPC33              | Computer<br>Applications in<br>Business                                             | 6  | 4  | 3 | 25  | 75  | 100 |
|              | Core Course XI                        | PCCOTC34              | International<br>Business                                                           | 4  | 4  | 3 | 25  | 75  | 100 |
|              | Discipline<br>Centric<br>Elective V   | PCCOTE31/<br>PCCOTE32 | Strategic<br>Management/<br>International<br>Financial<br>Management                | 4  | 3  | 3 | 25  | 75  | 100 |
| II           | Skill<br>Enhancement<br>Course SEC2   | PCCOTS31              | Operations<br>Management                                                            | 4  | 3  | 3 | 25  | 75  | 100 |
|              | Internship                            | PCCOIM31              | Internship /<br>Industrial Activity                                                 | -  | 2  | 3 | 25  | 75  | 100 |
|              |                                       |                       | TOTAL                                                                               | 30 | 26 | - | 175 | 525 | 700 |

| SEMESTER IV                                                                                                                              |                                  |                                    |                                                                             |            |           |          |            |             |             |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------|-----------------------------------------------------------------------------|------------|-----------|----------|------------|-------------|-------------|
| I                                                                                                                                        | Core Course XII                  | PCCOTC41                           | Corporate and Economic Laws                                                 | 6          | 4         | 3        | 25         | 75          | 100         |
|                                                                                                                                          | Core Course XIII                 | PCCOTC42                           | Human Resource Analytics                                                    | 6          | 4         | 3        | 25         | 75          | 100         |
|                                                                                                                                          | Core Course XIV                  | PCCOJC43                           | Project with Viva Voce                                                      | 6          | 5         | 3        | 25         | 75          | 100         |
|                                                                                                                                          | Elective VI                      | PCCOTE41/<br>PCCOTE42/<br>PCCOTE43 | Organisational Behaviour/<br>Insolvency Law and Practice/Project Management | 5          | 4         | 3        | 25         | 75          | 100         |
| II                                                                                                                                       | Value-Based Course [Online Exam] | PCHROM41                           | Human Rights                                                                | 2          | 2         | 2        | 25         | 75          | 100         |
|                                                                                                                                          | Skill Enhancement Course SEC3    | PCCOTS41                           | Business Analytics                                                          | 5          | 3         | 3        | 25         | 75          | 100         |
| III                                                                                                                                      | Extension Activity               | PCEXAM41                           | Extension Activity                                                          | -          | 1         | 3        | 25         | 75          | 100         |
| SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC[ Mandatory Online Course to be eligible for obtaining the PG degree] |                                  |                                    |                                                                             |            |           |          |            |             |             |
|                                                                                                                                          |                                  |                                    | <b>TOTAL</b>                                                                | <b>30</b>  | <b>23</b> | <b>-</b> | <b>175</b> | <b>525</b>  | <b>700</b>  |
|                                                                                                                                          |                                  |                                    | <b>Grand Total</b>                                                          | <b>120</b> | <b>91</b> |          | <b>650</b> | <b>1950</b> | <b>2600</b> |

**M.Sc. DEGREE PROGRAMMES (CBCS PATTERN)****(For Students admitted from Academic Year 2023-2024)****PROGRAMME OUTCOMES FOR MATHEMATICS, PHYSICS & CHEMISTRY**

- PO1** Problem-Solving Skill Apply knowledge of Management theories and Human Resource practices to solve business problems through research in a Global context.
- PO2** Decision-Making Skill Foster analytical and critical thinking abilities for data-based decision-making.
- PO3** Ethical Value Ability to incorporate quality, ethical and legal value-based perspectives to all organizational activities.
- PO4** Communication Skill Ability to develop communication, managerial and interpersonal skills.
- PO5** Individual and Team Leadership Skills Capability to lead themselves and the team to achieve organizational goals.
- PO6** Employability Skill Inculcate contemporary business practices to enhance employability skills in a competitive environment.
- PO7** Entrepreneurial Skill Equip yourself with the skills and competencies to become an entrepreneur.
- PO8** Contribution to Society Succeed in career endeavours and contribute significantly to society.
- PO9** Multicultural competence Possess knowledge of the values and beliefs of multiple cultures and a global perspective.
- PO10** Moral and ethical awareness/reasoning Ability to embrace moral/ethical values in conducting one's life.

**M.Sc. MATHEMATICS DEGREE PROGRAMMES (CBCS PATTERN)****PROGRAM SPECIFIC OUTCOMES (PSOs)**

By the end of the program, the students will be able to

|      |                                                                                                                                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PSO1 | Placement<br>To prepare the students who will demonstrate respectful engagement with others' ideas, behaviours, and beliefs and apply diverse frames of reference to decisions and actions. |
| PSO2 | Entrepreneur<br>To create effective entrepreneurs by enhancing their critical thinking, problem-solving, decision making and leadership skill that will facilitate start-ups and high       |
| PSO3 | Research and Development<br>Design and implement HR systems and practices grounded in research that complies with employment laws, leading the organization towards growth and development. |
| PSO4 | Contribution to Business World<br>To produce employable, ethical and innovative professionals to sustain in the dynamic business world.                                                     |
| PSO5 | Contribution to the Society<br>To contribute to the development of society by collaborating with stakeholders for mutual benefit.                                                           |

**PROGRAM SPECIFIC OUTCOMES (PSOs)**

By the end of the program, the students will be able to

|      |                                                                                                 |
|------|-------------------------------------------------------------------------------------------------|
| PSO1 | Understand in-depth knowledge of pure and applied mathematics.                                  |
| PSO2 | Attain the ability to solve challenging problems in Mathematics and prove the abstract theorem. |
| PSO3 | Know the specialized area of mathematics and its applications.                                  |
| PSO4 | Analyse practical problems and propose a solution.                                              |
| PSO5 | Obtain the exact solutions for society-oriented problems by mathematical models.                |
| PSO6 | Discuss in groups or individually in multidisciplinary tasks. solution.                         |
| PSO7 | Crack the NET / SET examination conducted by UGC-CSIR / NTA or State Universities.              |
| PSO8 | Apply the mathematical concepts in real-life situations.                                        |

**MAPPING OF PROGRAMME SPECIFIC OUTCOMES WITH PROGRAMME OUTCOMES**

| Programme Specific Outcomes (PSOs)        | Programme Outcomes (POs) |     |     |     |     |     |     |     |     |      |
|-------------------------------------------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                                           | PO1                      | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| PSO1                                      | ✓                        | ✓   | ✓   |     |     |     | ✓   | ✓   | ✓   |      |
| PSO2                                      |                          | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     |     |      |
| PSO3                                      | ✓                        | ✓   |     | ✓   | ✓   | ✓   |     | ✓   | ✓   |      |
| PSO4                                      | ✓                        | ✓   |     | ✓   | ✓   |     | ✓   | ✓   | ✓   |      |
| PSO5                                      |                          | ✓   | ✓   | ✓   | ✓   |     |     |     | ✓   | ✓    |
| PSO6                                      | ✓                        | ✓   |     | ✓   | ✓   | ✓   |     | ✓   | ✓   |      |
| PSO7                                      |                          |     | ✓   |     | ✓   | ✓   | ✓   | ✓   |     |      |
| PSO8                                      |                          | ✓   | ✓   |     |     | ✓   | ✓   | ✓   | ✓   | ✓    |
| Number of Matches = 52, Correlation: High |                          |     |     |     |     |     |     |     |     |      |

## Mapping Correlation Benchmark

|             |       |          |        |           |
|-------------|-------|----------|--------|-----------|
| Mapping     | 1-29% | 30-59%   | 60-69% | 70-100%   |
| Matches     | 1-24  | 25-50    | 51-56  | 57-80     |
| Correlation | Poor  | Moderate | High   | Very High |

| COURSE STRUCTURE FOR M.Sc. MATHEMATICS<br>(For the candidates admitted from the academic year 2023-2024) |                                                        |                       |                                                                      |           |        |            |     |     |       |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------|----------------------------------------------------------------------|-----------|--------|------------|-----|-----|-------|
| Part                                                                                                     | Category                                               | Course Code           | Course Title                                                         | Hrs./Week | Credit | Exam. Hrs. | CIA | ESE | TOTAL |
| SEMESTER I                                                                                               |                                                        |                       |                                                                      |           |        |            |     |     |       |
| I                                                                                                        | Core Course I                                          | PCMSTC11              | Algebraic Structures                                                 | 6         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                          | Core Course II                                         | PCMSTC12              | Real Analysis I                                                      | 6         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                          | Core Course III                                        | PCMSTC13              | Ordinary Differential Equations                                      | 5         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                          | Core Course IV                                         | PCMSTC14              | Classical Dynamics                                                   | 5         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                          | Discipline Centric Elective I (To choose 1 out of 2)   | PCMSTE11/<br>PCMSTE12 | Number theory and Cryptography/<br>Advanced Graph Theory             | 4         | 2      | 3          | 25  | 75  | 100   |
|                                                                                                          | Elective II (To choose 1 out of 2)                     | PCMSTE13/<br>PCMSTE14 | Mathematical Programming/<br>Discrete Mathematics                    | 4         | 2      | 3          | 25  | 75  | 100   |
|                                                                                                          |                                                        |                       | TOTAL                                                                | 30        | 20     | -          | 150 | 450 | 600   |
| SEMESTER II                                                                                              |                                                        |                       |                                                                      |           |        |            |     |     |       |
| I                                                                                                        | Core Course V                                          | PCMSTC21              | Advanced Algebra                                                     | 6         | 5      | 3          | 25  | 75  | 100   |
|                                                                                                          | Core Course VI                                         | PCMSTC22              | Real Analysis II                                                     | 6         | 5      | 3          | 25  | 75  | 100   |
|                                                                                                          | Core Course VII                                        | PCMSTC23              | Partial Differential Equations                                       | 6         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                          | Discipline Centric Elective III (To choose 1 out of 2) | PCMSTE21/<br>PCMSTE22 | Mathematical Statistics/<br>Algebraic Number Theory                  | 4         | 3      | 3          | 25  | 75  | 100   |
|                                                                                                          | Elective IV (To choose 1 out of 2)                     | PCMSP23/<br>PCMSTE24  | Modelling and Simulation with Excel Lab /Advanced Numerical Analysis | 4         | 3      | 3          | 25  | 75  | 100   |
| II                                                                                                       | Skill Enhancement Course I [NME I]                     | PCMSPS21              | Mathematical Documentation using LATEX Lab                           | 4         | 2      | 3          | 25  | 75  | 100   |
|                                                                                                          |                                                        |                       | TOTAL                                                                | 30        | 22     | -          | 150 | 450 | 600   |

| SEMESTER III |                                                                                                                                          |                       |                                                  |     |    |   |     |      |      |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------|-----|----|---|-----|------|------|
| I            | Core Course VIII                                                                                                                         | PCMSTC31              | Complex Analysis                                 | 6   | 5  | 3 | 25  | 75   | 100  |
|              | Core Course IX                                                                                                                           | PCMSTC32              | Probability Theory                               | 6   | 5  | 3 | 25  | 75   | 100  |
|              | Core Course X                                                                                                                            | PCMSTC33              | Topology                                         | 6   | 4  | 3 | 25  | 75   | 100  |
|              | Core Course XI                                                                                                                           | PCMSPC34              | Industry Modules Lab                             | 4   | 4  | 3 | 25  | 75   | 100  |
|              | Discipline Centric Elective V (To choose 1 out of 2)                                                                                     | PCMSTE31<br>PCMSTE32  | Mathematical Python/<br>Fluid Dynamics           | 4   | 3  | 3 | 25  | 75   | 100  |
| II           | Skill Enhancement Course II [NME II]                                                                                                     | PCMSTS31              | Advanced Integral Equations                      | 4   | 3  | 3 | 25  | 75   | 100  |
|              | Internship                                                                                                                               | PCMSIM31              | Internship / Industrial Activity                 | -   | 2  | 3 | 25  | 75   | 100  |
|              |                                                                                                                                          |                       | TOTAL                                            | 30  | 26 | - | 175 | 525  | 700  |
| SEMESTER IV  |                                                                                                                                          |                       |                                                  |     |    |   |     |      |      |
| I            | Core Course XII                                                                                                                          | PCMSTC41              | Functional Analysis                              | 6   | 4  | 3 | 25  | 75   | 100  |
|              | Core Course XIII                                                                                                                         | PCMSTC42              | Differential Geometry                            | 6   | 4  | 3 | 25  | 75   | 100  |
|              | Core Course XIV                                                                                                                          | PCMSJC43              | Project with viva voce                           | 6   | 5  | 3 | 25  | 75   | 100  |
|              | Elective VI (To choose 1 out of 2)                                                                                                       | PCMSTE41/<br>PCMSPE42 | Advanced Complex Analysis / Stochastic Processes | 5   | 4  | 3 | 25  | 75   | 100  |
|              | Value-Based Course [Online Exam]                                                                                                         | PCHROM41              | Human Rights                                     | 2   | 2  | 2 | 25  | 75   | 100  |
| II           | Skill Enhancement Course III                                                                                                             | PCMSTS41              | Resource Management Techniques                   | 5   | 3  | 3 | 25  | 75   | 100  |
| III          | Extension Activity                                                                                                                       | PCEXAM41              | Extension Activity                               | -   | 1  | 3 | 25  | 75   | 100  |
|              | SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC[ Mandatory Online Course to be eligible for obtaining the PG degree] |                       |                                                  |     |    |   |     |      |      |
|              |                                                                                                                                          |                       | Total                                            | 30  | 23 | - | 75  | 525  | 700  |
|              |                                                                                                                                          |                       | GRAND TOTAL                                      | 120 | 91 | - | 650 | 1950 | 2600 |

**M.Sc. PHYSICS DEGREE PROGRAMMES (CBCS PATTERN)****PROGRAM SPECIFIC OUTCOMES (PSOs)****PROGRAM SPECIFIC OUTCOMES (PSOs):****By the end of the program, the students will be able to**

- PSO1 Understand principles of physics for the scientific phenomena in the classical domain.
- PSO2 Understand the mathematical techniques for describing in-depth knowledge of physical concepts.
- PSO3 Understand and apply statistical methods for describing the classical and quantum particles in various physical systems and processes.
- PSO4 Understand and apply interdisciplinary concepts for understanding and describing natural phenomena.
- PSO5 Understand the principles of Quantum mechanics for knowing the physical systems in the quantum arena.
- PSO6 Provide exposure to various specializations of Physics (Solid State Physics/Nuclear Physics/Particle Physics).
- PSO7 Provide exposure to modern experimental/theoretical methods for measurement, observation and fundamental understanding of physical phenomena/systems.
- PSO8 Engage in research and life-long learning to adapt to changing environment

**MAPPING OF PROGRAMME-SPECIFIC OUTCOMES WITH PROGRAMME OUTCOMES**

| Programme Specific Outcomes (PSOs) | Programme Outcomes (POs) |     |     |     |     |     |     |     |     |      |
|------------------------------------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                                    | PO1                      | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| PSO1                               | ✓                        | ✓   |     | ✓   |     | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO2                               | ✓                        | ✓   | ✓   | ✓   |     | ✓   | ✓   |     | ✓   | ✓    |
| PSO3                               | ✓                        | ✓   | ✓   | ✓   |     |     | ✓   | ✓   | ✓   | ✓    |
| PSO4                               | ✓                        | ✓   |     | ✓   | ✓   |     | ✓   | ✓   | ✓   | ✓    |
| PSO5                               | ✓                        | ✓   |     | ✓   |     | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO6                               | ✓                        | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO7                               | ✓                        | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO8                               | ✓                        | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |

**Mapping Correlation Benchmark**

| Mapping      | 1-29%                  | 30-59%   | 60-69% | 70-100%   |
|--------------|------------------------|----------|--------|-----------|
| Matches      | 1-24                   | 25-50    | 51-56  | 57-80     |
| Correlation  | Poor                   | Moderate | High   | Very High |
| Matching: 70 | Correlation: Very High |          |        |           |

| COURSE STRUCTURE FOR M.Sc. PHYSICS<br>(For Students admitted from the academic year 2023-2024) |                                        |                       |                                                                |           |           |            |            |            |            |
|------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------|----------------------------------------------------------------|-----------|-----------|------------|------------|------------|------------|
| Part                                                                                           | Category                               | Course Code           | Course Title                                                   | Hrs./Week | Credit    | Exam. Hrs. | CIA        | ESE        | TOTAL      |
| SEMESTER I                                                                                     |                                        |                       |                                                                |           |           |            |            |            |            |
| I                                                                                              | Core Course I                          | PCPYTC11              | Mathematical Physics                                           | 6         | 4         | 3          | 25         | 75         | 100        |
|                                                                                                | Core Course II                         | PCPYTC12              | Classical Mechanics and Relativity                             | 5         | 4         | 3          | 25         | 75         | 100        |
|                                                                                                | Core Course III                        | PCPYTC13              | Linear and Digital ICs and Applications                        | 5         | 4         | 3          | 25         | 75         | 100        |
|                                                                                                | Core Course IV                         | PCPYPC14              | General Physics Practical I                                    | 6         | 4         | 3          | 25         | 75         | 100        |
|                                                                                                | Discipline Centric Elective I          | PCPYTE11/<br>PCPYTE12 | Physics of Nano Science and Technology/<br>Astrophysics        | 4         | 3         | 3          | 25         | 75         | 100        |
|                                                                                                | Elective II                            | PCPYTE12              | Material Science/Non-linear Dynamics                           | 4         | 3         | 3          | 25         | 75         | 100        |
|                                                                                                |                                        |                       | <b>TOTAL</b>                                                   | <b>30</b> | <b>20</b> | <b>-</b>   | <b>150</b> | <b>450</b> | <b>600</b> |
| SEMESTER II                                                                                    |                                        |                       |                                                                |           |           |            |            |            |            |
| I                                                                                              | Core Course V                          | PCPYTC21              | Statistical Mechanics                                          | 6         | 5         | 3          | 25         | 75         | 100        |
|                                                                                                | Core Course VI                         | PCPYTC22              | Quantum Mechanics I                                            | 6         | 5         | 3          | 25         | 75         | 100        |
|                                                                                                | Core Course VII                        | PCPYPC23              | General Physics Practical II                                   | 6         | 4         | 3          | 25         | 75         | 100        |
|                                                                                                | Discipline Centric Elective II         | PCPYTE21/<br>PCPYTE22 | General Relativity and Cosmology/Crystal Growth and Thin films | 4         | 3         | 3          | 25         | 75         | 100        |
|                                                                                                | Elective IV                            | PCPYTE21              | Plasma Physics/Advanced Optics                                 | 4         | 3         | 3          | 25         | 75         | 100        |
| II                                                                                             | Skill Enhancement Course SEC 1 [NME I] | PCPYTS21              | Solid Waste Management                                         | 4         | 2         | 3          | 25         | 75         | 100        |
|                                                                                                |                                        |                       | <b>TOTAL</b>                                                   | <b>30</b> | <b>22</b> | <b>-</b>   | <b>150</b> | <b>450</b> | <b>600</b> |
| SEMESTER III                                                                                   |                                        |                       |                                                                |           |           |            |            |            |            |
| I                                                                                              | Core Course VIII                       | PCPYTC31              | Quantum Mechanics II                                           | 6         | 5         | 3          | 25         | 75         | 100        |
|                                                                                                | Core Course IX                         | PCPYTC32              | Condensed Matter Physics                                       | 6         | 5         | 3          | 25         | 75         | 100        |
|                                                                                                | Core Course X                          | PCPYTC33              | Electromagnetic Theory                                         | 6         | 4         | 3          | 25         | 75         | 100        |

|                                                                                                                                          |                                        |                       |                                                                        |            |           |          |            |             |             |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------|------------------------------------------------------------------------|------------|-----------|----------|------------|-------------|-------------|
|                                                                                                                                          | Core Course XI                         | PCPYPC34              | Numerical Methods and Computer Programming using FORTRAN & C Practical | 4          | 4         | 3        | 25         | 75          | 100         |
|                                                                                                                                          | Discipline Centric Elective V          | PCPYTE31/<br>PCPYTE32 | Communication Electronics/Microprocessor 8086 and Microcontroller 8051 | 4          | 3         | 3        | 25         | 75          | 100         |
| II                                                                                                                                       | Skill Enhancement Course SEC2 [NME II] | PCPYTS31              | Medical Physics                                                        | 4          | 3         | 3        | 25         | 75          | 100         |
|                                                                                                                                          | Internship                             | PCPYIM31              | Internship / Industrial Activity                                       | -          | 2         | 3        | 25         | 75          | 100         |
|                                                                                                                                          |                                        |                       | <b>TOTAL</b>                                                           | <b>30</b>  | <b>26</b> | <b>-</b> | <b>175</b> | <b>525</b>  | <b>700</b>  |
| <b>SEMESTER IV</b>                                                                                                                       |                                        |                       |                                                                        |            |           |          |            |             |             |
| I                                                                                                                                        | Core Course XII                        | PCPYTC41              | Nuclear and particle Physics                                           | 6          | 5         | 3        | 25         | 75          | 100         |
|                                                                                                                                          | Core Course XII                        | PCPYTC42              | Spectroscopy                                                           | 6          | 5         | 3        | 25         | 75          | 100         |
|                                                                                                                                          | Core Course XIV                        | PCPYJC43              | Project with Viva-Voce                                                 | 5          | 5         | 3        | 25         | 75          | 100         |
|                                                                                                                                          | Elective VI                            | PCPYPE41              | Microprocessor 8086 and Microcontroller 8051 Practical                 | 5          | 3         | 3        | 25         | 75          | 100         |
| II                                                                                                                                       | Skill Enhancement Course III           | PCPYTC44              | Characterization of Materials                                          | 6          | 3         | 3        | 25         | 75          | 100         |
|                                                                                                                                          | Value-Based Course [Online Exam]       | PCHROM41              | Human Rights                                                           | 2          | 1         | 2        | 25         | 75          | 100         |
| III                                                                                                                                      | Extension Activity                     | PCEXAM41              | Extension Activity                                                     | -          | 1         | 3        | 25         | 75          | 100         |
| SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC[ Mandatory Online Course to be eligible for obtaining the PG degree] |                                        |                       |                                                                        |            |           |          |            |             |             |
|                                                                                                                                          |                                        |                       | <b>Total</b>                                                           | <b>30</b>  | <b>23</b> | <b>-</b> | <b>175</b> | <b>525</b>  | <b>700</b>  |
|                                                                                                                                          |                                        |                       | <b>Grand Total</b>                                                     | <b>120</b> | <b>91</b> |          | <b>650</b> | <b>1950</b> | <b>2600</b> |



**M.Sc. CHEMISTRY DEGREE PROGRAMMES (CBCS PATTERN)**  
**PROGRAM SPECIFIC OUTCOMES (PSOs)**

**Programme Specific Outcomes (PSOs)**

**PSO1 – Placement**

To prepare the students who will demonstrate respectful engagement with others' ideas, behaviours, and beliefs and apply diverse frames of reference to decisions and actions.

**PSO 2 - Entrepreneur**

To create effective entrepreneurs by enhancing their critical thinking, problem-solving, decision making and leadership skill that will facilitate startups and high-potential organizations.

**PSO3 – Research and Development**

Design and implement HR systems and practices grounded in research that comply with employment laws, leading the organization towards growth and development.

**PSO4 – Contribution to Business World**

To produce employable, ethical and innovative professionals to sustain in the dynamic business world.

**PSO 5 – Contribution to the Society**

To contribute to the development of society by collaborating with stakeholders for mutual benefit.

**PROGRAMME SPECIFIC OUTCOMES (PSO) On completion of the M.Sc Chemistry Programme,  
 By the end of the program, the students will be able to**

|      |                                                                                                                                                                           |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PSO1 | Orient the skill and knowledge in Computation and its applications in chemistry and handle the suitable software for the subject and correlate it with experimental data. |
| PSO2 | Apply the multi-dimensional aspects of chemistry and its applications in Material science, Molecular modelling, Drug discovery and Process Development.                   |
| PSO3 | Utilize the basic knowledge of structure, reactivity, characterization and applications of chemicals in the development of novel chemical compounds.                      |
| PSO4 | Handle the instruments employed in maintaining the quality and control of chemicals in the manufacturing process.                                                         |
| PSO5 | Extract, elucidate the structure and synthesize natural products from the available sources                                                                               |
| PSO6 | Apply the knowledge of reactions and mechanisms in the synthesis of new chemicals, their analysis and applications.                                                       |
| PSO7 | Carry out any kind of project in quality control, research and process development in the chemical industry, enhancing the job opportunities of the students.             |
| PSO8 | Communicate and work collaboratively with Technologists and Environmentalists leading to sustainable living.                                                              |

**MAPPING OF PROGRAMME-SPECIFIC OUTCOMES WITH PROGRAMME OUTCOMES**

| Program-Specific Outcomes (PSOs)               | Program Outcomes (POs) |     |     |     |     |     |     |     |     |      |
|------------------------------------------------|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                                                | PO1                    | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| PSO1                                           | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     |      |
| PSO2                                           | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     |      |
| PSO3                                           | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     |     |      |
| PSO4                                           | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     |     |      |
| PSO5                                           | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     |      |
| PSO6                                           | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     |      |
| PSO7                                           | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     |     | ✓    |
| PSO8                                           | ✓                      | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| Number of matches = 64, Correlation: Very High |                        |     |     |     |     |     |     |     |     |      |

## Mapping Correlation Benchmark

|             |       |          |        |           |
|-------------|-------|----------|--------|-----------|
| Mapping     | 1-30% | 31-60%   | 61-70% | 71-100%   |
| Matches     | 1-24  | 25-50    | 51-56  | 57-80     |
| Correlation | Poor  | Moderate | High   | Very High |

| COURSE STRUCTURE FOR M.Sc. CHEMISTRY<br>(For Students admitted from the academic year 2023-2024) |                                      |                       |                                                               |           |        |            |     |     |       |
|--------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------|---------------------------------------------------------------|-----------|--------|------------|-----|-----|-------|
| Part                                                                                             | Category                             | Course Code           | Course Title                                                  | Hrs./Week | Credit | Exam. Hrs. | C/A | ESE | TOTAL |
| SEMESTER I                                                                                       |                                      |                       |                                                               |           |        |            |     |     |       |
| I                                                                                                | Core Course I                        | PCCHTC11              | Organic Reaction Mechanism-I                                  | 6         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                  | Core Course II                       | PCCHTC12              | Structure and Bonding in Inorganic Compounds                  | 6         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                  | Core Course III                      | PCCHPC13              | Practical: Organic Chemistry - I                              | 5         | 4      | 6          | 25  | 75  | 100   |
|                                                                                                  | Core Course IV                       | PCCHPC14              | Practical: Physical Chemistry - I                             | 5         | 4      | 6          | 25  | 75  | 100   |
|                                                                                                  | Discipline Centric Elective I        | PCCHTE11/<br>PCCHTE12 | Pharmaceutical Chemistry/<br>Nanomaterials and Nanotechnology | 4         | 2      | 3          | 25  | 75  | 100   |
|                                                                                                  | Elective II                          | PCCHTE13/<br>PCCHTE14 | Molecular Spectroscopy /<br>Pharmacognosy and Phytochemistry  | 4         | 2      | 3          | 25  | 75  | 100   |
|                                                                                                  |                                      |                       | TOTAL                                                         | 30        | 20     | -          | 150 | 450 | 600   |
| SEMESTER II                                                                                      |                                      |                       |                                                               |           |        |            |     |     |       |
| I                                                                                                | Core Course IV                       | PCCHTC21              | Organic reaction mechanism-II                                 | 6         | 5      | 3          | 25  | 75  | 100   |
|                                                                                                  | Core Course V                        | PCCHTC22              | Physical Chemistry-I                                          | 6         | 5      | 3          | 25  | 75  | 100   |
|                                                                                                  | Core Course VI                       | PCCHPC23              | Practical: Inorganic Chemistry - I                            | 6         | 4      | 6          | 25  | 75  | 100   |
|                                                                                                  | Discipline Centric Elective III      | PCCHTE21/<br>PCCHTE22 | Medicinal Chemistry/Green Chemistry                           | 4         | 3      | 3          | 25  | 75  | 100   |
|                                                                                                  | Elective IV                          | PCCHTE23/<br>PCCHTE24 | Bio-Inorganic Chemistry/Material Science                      | 4         | 3      | 3          | 25  | 75  | 100   |
| II                                                                                               | Skill Enhancement Course SEC1[NME I] | PCCHTS21              | Computational Chemistry                                       | 4         | 2      | 3          | 25  | 75  | 100   |
|                                                                                                  |                                      |                       | TOTAL                                                         | 30        | 22     | -          | 150 | 450 | 600   |

| SEMESTER III |                                                                                                                                          |                       |                                                                                                         |     |    |   |     |      |      |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------|-----|----|---|-----|------|------|
| I            | Core Course VII                                                                                                                          | PCCHTC31              | Organic synthesis, Photochemistry and Spectroscopy                                                      | 6   | 5  | 3 | 25  | 75   | 100  |
|              | Core Course VIII                                                                                                                         | PCCHTC32              | Coordination Chemistry-I                                                                                | 6   | 5  | 3 | 25  | 75   | 100  |
|              | Core Course IX                                                                                                                           | PCCHPC33              | Practical: Inorganic Chemistry - II                                                                     | 5   | 4  | 6 | 25  | 75   | 100  |
|              | Core Course X                                                                                                                            | PCCHPC34              | Practical: Organic Chemistry - II                                                                       | 5   | 4  | 6 | 25  | 75   | 100  |
|              | Discipline Centric Elective V                                                                                                            | PCCHTE31/<br>PCCHTE32 | Electrochemistry / Biomolecules and Heterocyclic compounds                                              | 4   | 3  | 3 | 25  | 75   | 100  |
| II           | Skill Enhancement Course SEC2 [NME II]                                                                                                   | PCCHTS31              | Polymer Chemistry                                                                                       | 4   | 3  | 3 | 25  | 75   | 100  |
|              | Internship (Carried out in Summer Vacation at the end of I year – 30 hours)                                                              | PCCHIM31              | Internship / Industrial Activity                                                                        | -   | 2  | 3 | 25  | 75   | 100  |
|              |                                                                                                                                          |                       | TOTAL                                                                                                   | 30  | 26 | - | 175 | 525  | 700  |
| SEMESTER IV  |                                                                                                                                          |                       |                                                                                                         |     |    |   |     |      |      |
| I            | Core Course XI                                                                                                                           | PCCHTC41              | Coordination Chemistry-II                                                                               | 6   | 5  | 3 | 25  | 75   | 100  |
|              | Core Course XII                                                                                                                          | PCCHTC42              | Physical Chemistry-II                                                                                   | 6   | 5  | 3 | 25  | 75   | 100  |
|              | Elective VI                                                                                                                              | PCCHPE41/<br>PCCHPE42 | Practical: Analytical instrumentation techniques / Practical: Domestic Products preparation and testing | 6   | 4  | 6 | 25  | 75   | 100  |
|              | Core Course XIII                                                                                                                         | PCCHJC43              | Project with viva voce                                                                                  | 6   | 4  | 3 | 25  | 75   | 100  |
| II           | Skill Enhancement Course SEC3                                                                                                            | PCCHTS41              | Chemistry of Natural products0                                                                          | 4   | 3  | 3 | 25  | 75   | 100  |
|              | Value-Based Course [Online Exam]                                                                                                         | PCHROM41              | Human Rights                                                                                            | 2   | 1  | 2 | 25  | 75   | 100  |
| III          | Extension Activity                                                                                                                       | PCEXAM41              | Extension Activity                                                                                      | -   | 1  | 3 | 25  | 75   | 100  |
|              | SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC[ Mandatory Online Course to be eligible for obtaining the PG degree] |                       |                                                                                                         |     |    |   |     |      |      |
|              |                                                                                                                                          |                       | Total                                                                                                   | 30  | 23 | - | 175 | 525  | 700  |
|              |                                                                                                                                          |                       | Grand Total                                                                                             | 120 | 91 | - | 650 | 1950 | 2600 |

## M.SC. DEGREE PROGRAMMES

### PROGRAMME OUTCOMES FOR BIOCHEMISTRY & BIOTECHNOLOGY

#### PROGRAMME OUTCOMES:

PO1. To make students understand the importance of biochemistry as a subject that deals with life processes, as well as the concepts, theories and experimental approaches followed in biochemistry, in order to pursue a research career, either in an industry or academic setting.

PO2. To develop analytical and problem-solving skills

PO3. To create an awareness among the students on the interconnection between the interdisciplinary areas of biochemistry.

PO4. To give the necessary practical skills required for biochemical techniques and analysis.

PO5. To develop a communication and writing skills in students.

PO6. To develop leadership and teamwork skills

PO7. To emphasize the importance of good academic and work ethics and their social implications.

PO8. To emphasize the importance of continuous learning and to promote lifelong learning and career development.

PO9. To teach students how to retrieve information from a variety of sources, including libraries, databases and the internet.

PO10. To teach students to identify, design and execute a research problem, analyze and interpret data and learn time and resource management.

**On successful completion of this course, students should be able to:**

#### PROGRAM-SPECIFIC OUTCOME FOR MASTER OF BIOCHEMISTRY

##### Knowledge Domain

PSO1. Outline the structure and metabolism of macromolecule and its regulation, and disorders of metabolic pathways.

PSO2. Acquire knowledge of the molecular machinery of living cells and their participation in molecular recognition and signalling.

PSO3. Acquire in-depth knowledge of Biochemistry, Microbiology, Plant Biochemistry, cell biology, toxicology, physiology, ecology and stem cell.

PSO4. Differentiate the principle, instrumentation and applications of different analytical techniques used in biochemistry, microbiology, biotechnology, Immunology and molecular biology and able to apply the scientific methods in the research investigation and hypothesis testing.

##### Skill Domain

PSO5. Measure and identify the concentration of analytes in the given sample by using biochemical, microbiological and molecular techniques and demonstrate independent and critical skills necessary to formulate specific experiments and obtain reproducible data.

PSO6. Make use of modern library research tools and software to locate and retrieve scientific information about techniques, bioinformatics, biostatistics, genomics, and proteomics.

POS7. Develop effective communication skills (oral and written) to represent the results of the experimental work and research, to pursue a career in academic and different life science industries (Pharmaceuticals, Biotech, research, Hospital and community services). Acquire lifelong self-learning habits through online courses, and the ability to plan and manage projects to achieve the objective.

Value domain

POS8. Contribute to solving environmental issues and sustainable development and enhance personal integrity, human rights, women, children and labour rights and ethical behaviour when dealing with patients, Community members and the healthcare team.

#### Mapping PO Vs PSO

|      | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| PSO1 | ✓   | ✓   | ✓   | ✓   |     |     |     |     |     |      |
| PSO2 | ✓   | ✓   | ✓   |     | ✓   |     |     |     |     |      |
| PSO3 | ✓   | ✓   | ✓   |     | ✓   |     |     |     | ✓   | ✓    |
| PSO4 | ✓   | ✓   |     |     |     | ✓   |     | ✓   | ✓   | ✓    |
| PSO5 | ✓   | ✓   |     | ✓   | ✓   | ✓   |     | ✓   | ✓   | ✓    |
| PSO6 | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   |     | ✓   | ✓    |
| PSO7 | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓    |
| PSO8 |     |     |     |     |     | ✓   | ✓   | ✓   | ✓   | ✓    |

#### Mapping Correlation Benchmark

| Mapping     | 1-30% | 31-60%   | 61-70% | 71-100%   |
|-------------|-------|----------|--------|-----------|
| Matches     | 1-24  | 25-50    | 51-56  | 57-80     |
| Correlation | Poor  | Moderate | High   | Very High |

| COURSE STRUCTURE FOR M.Sc. BIOCHEMISTRY<br>(For the candidates admitted from the academic year 2023-2024) |                                       |                       |                                                               |           |           |            |            |            |            |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------|---------------------------------------------------------------|-----------|-----------|------------|------------|------------|------------|
| Part                                                                                                      | Category                              | Course Code           | Course Title                                                  | Hrs./Week | Credit    | Exam. Hrs. | CIA        | ESE        | TOTAL      |
| SEMESTER I                                                                                                |                                       |                       |                                                               |           |           |            |            |            |            |
| I                                                                                                         | Core Course I                         | PCBITC11              | Basics of Biochemistry                                        | 6         | 4         | 3          | 25         | 75         | 100        |
|                                                                                                           | Core Course II                        | PCBITC12              | Biochemical and Molecular Biology Techniques                  | 6         | 4         | 3          | 25         | 75         | 100        |
|                                                                                                           | Core Course III                       | PCBITC13              | Physiology and Cell Biology                                   | 5         | 4         | 3          | 25         | 75         | 100        |
|                                                                                                           | Core Course IV                        | PCBIPC14              | Biomolecules and Biochemical Techniques Practical             | 5         | 4         | 6          | 25         | 75         | 100        |
|                                                                                                           | Discipline Centric Elective I         | PCBITE11/<br>PCBITE12 | Microbiology & Immunology/Plant Biochemistry                  | 4         | 2         | 3          | 25         | 75         | 100        |
|                                                                                                           | Generic Elective II                   | PCBITE13/<br>PCBITE14 | Food Processing and Technology/Development Biology            | 4         | 2         | 3          | 25         | 75         | 100        |
|                                                                                                           |                                       |                       | <b>TOTAL</b>                                                  | <b>30</b> | <b>20</b> | <b>-</b>   | <b>150</b> | <b>450</b> | <b>600</b> |
| SEMESTER II                                                                                               |                                       |                       |                                                               |           |           |            |            |            |            |
| I                                                                                                         | Core Course IV                        | PCBITC21              | Enzymology                                                    | 6         | 5         | 3          | 25         | 75         | 100        |
|                                                                                                           | Core Course V                         | PCBITC22              | Cellular Metabolism                                           | 6         | 5         | 3          | 25         | 75         | 100        |
|                                                                                                           | Core Course VI                        | PCBIPC23              | Enzymology, Microbiology and Cell Biology Practical           | 5         | 4         | 6          | 25         | 75         | 100        |
|                                                                                                           | Discipline Centric Elective II        | PCBITE21/<br>PCBITE22 | Energy and drug metabolism/Ecology Evolution and Biodiversity | 4         | 3         | 3          | 25         | 75         | 100        |
|                                                                                                           | Generic Elective II                   | PCBITE23/<br>PCBITE24 | Nutritional Biochemistry/Molecular Endocrinology              | 4         | 3         | 3          | 25         | 75         | 100        |
| II                                                                                                        | Skill Enhancement Course SEC1 [NME I] | PCBITS21              | Industrial Microbiology                                       | 5         | 2         | 3          | 25         | 75         | 100        |
|                                                                                                           |                                       |                       | <b>TOTAL</b>                                                  | <b>30</b> | <b>22</b> | <b>-</b>   | <b>150</b> | <b>450</b> | <b>600</b> |
| SEMESTER III                                                                                              |                                       |                       |                                                               |           |           |            |            |            |            |
| I                                                                                                         | Core Course VII                       | PCBITC31              | Clinical Biochemistry                                         | 6         | 5         | 3          | 25         | 75         | 100        |
|                                                                                                           | Core Course VIII                      | PCBITC32              | Molecular Biology                                             | 6         | 5         | 3          | 25         | 75         | 100        |
|                                                                                                           | Core Course IX                        | PCBITC33              | Gene Editing, Cell and Gene therapy                           | 5         | 4         | 3          | 25         | 75         | 100        |
|                                                                                                           | Core Course X                         | PCBIPC34              | Clinical Biochemistry Practical                               | 5         | 4         | 6          | 25         | 75         | 100        |

|                                                                                                                                          |                                                                 |                       |                                                                      |     |    |   |     |      |      |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------|----------------------------------------------------------------------|-----|----|---|-----|------|------|
|                                                                                                                                          | Discipline Centric Elective III                                 | PCBITE31/<br>PCBITE32 | Molecular basis of disease and therapeutic strategies/Cancer Biology | 4   | 3  | 3 | 25  | 75   | 100  |
| II                                                                                                                                       | Skill Enhancement Course SEC2 [NME II]                          | PCBITS31              | Biostatistics and Data Science                                       | 4   | 3  | 3 | 25  | 75   | 100  |
|                                                                                                                                          | Internship Industrial Visit – Biotech                           | PCBIIM31              | Internship                                                           | -   | 2  | 3 | 25  | 75   | 100  |
|                                                                                                                                          |                                                                 |                       | TOTAL                                                                | 30  | 26 | - | 175 | 525  | 700  |
| SEMESTER IV                                                                                                                              |                                                                 |                       |                                                                      |     |    |   |     |      |      |
| I                                                                                                                                        | Core Course XI                                                  | PCBITC41              | Pharmaceutical Biochemistry                                          | 6   | 5  | 3 | 25  | 75   | 100  |
|                                                                                                                                          | Core Course XIII                                                | PCBIPC42              | Molecular Biology and Immunology Practical                           | 6   | 5  | 6 | 25  | 75   | 100  |
|                                                                                                                                          | Core Course XIV                                                 | PCBIJC43              | Project with Viva-Voce                                               | 6   | 5  | 3 | 25  | 75   | 100  |
|                                                                                                                                          | Generic Elective VI                                             | PCBITE41/<br>PCBITE42 | Biochemical Toxicology /Bio-safety, Lab Safety and IPR               | 6   | 3  | 3 | 25  | 75   | 100  |
| II                                                                                                                                       | Skill Enhancement Course SEC3                                   | PCBITS43              | Quantitative Aptitude for Competitive Exam in Biochemistry           | 4   | 2  | 3 | 25  | 75   | 100  |
|                                                                                                                                          | Value Based Course {Online Exam}                                | PCHROM41              | Human Rights                                                         | 2   | 2  | 2 | 25  | 75   | 100  |
| III                                                                                                                                      | Extension Activity Industrial Visit – Pharma or Food Processing | PCEXAM41              | Extension Activity                                                   | -   | 1  | 3 | 25  | 75   | 100  |
| SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC[ Mandatory Online Course to be eligible for obtaining the PG degree] |                                                                 |                       |                                                                      |     |    |   |     |      |      |
|                                                                                                                                          |                                                                 |                       | Total                                                                | 30  | 23 | - | 175 | 525  | 700  |
|                                                                                                                                          |                                                                 |                       | Grand Total                                                          | 120 | 91 |   | 650 | 1950 | 2600 |

**PROGRAMME SPECIFIC OUTCOMES (PSOs) FOR M.Sc. BIOTECHNOLOGY**

Upon completion of the M.Sc. Biotechnology programme, the students will be able to:

PSO 1: Evolve with recent innovations and scientific updates in various thrust areas of biotechnology by the best scientific temperament, and professional and research ethics throughout life.

PSO 2: Apply broad multidisciplinary knowledge and transferable skills in biotechnology and related subjects suitable for employment in the pharmaceutical and biotechnology industry, government research institutes or other agencies.

PSO3: Contribute to innovative thinking, scientific approach, and problem-solving skills for various health, environmental, cultural and social issues through scientific knowledge.

PSO 4: Recognize ethical issues in connection with recombinant DNA technology, gene cloning, animal manipulation, IPR, biosecurity and the management of sensitive experiments.

PSO 5: Discriminate data beautification and data manipulation / scientific misconduct.

PSO 6: Make use of ICT to carry out and deliver the research works and assignments independently and with a team of students across disciplines.

PSO 7: Practice research & professional ethics as well as the responsibility of SOPs.

PSO8: Evolve with recent innovations and scientific updates in the technological era following the best scientific temperament, and professional and research ethics throughout life.

**MAPPING OF PROGRAMME SPECIFIC OUTCOMES (M.Sc.) WITH  
PROGRAMME OUTCOMES**

| Programme Specific Outcomes (PSOs)        | Programme Outcomes (PO) |     |     |     |     |     |     |     |     |      |
|-------------------------------------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                                           | PO1                     | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| PSO1                                      | √                       | √   | √   |     | √   | √   | √   | √   | √   | √    |
| PSO2                                      | √                       | √   | √   | √   | √   |     | √   |     |     |      |
| PSO3                                      | √                       | √   | √   | √   | √   | √   | √   |     | √   | √    |
| PSO4                                      | √                       | √   |     | √   |     | √   |     | √   | √   | √    |
| PSO5                                      | √                       |     | √   | √   | √   | √   |     | √   |     |      |
| PSO6                                      | √                       |     | √   |     | √   | √   | √   | √   |     |      |
| PSO7                                      |                         |     | √   | √   |     |     | √   |     | √   | √    |
| PSO8                                      | √                       | √   |     |     | √   |     | √   |     | √   | √    |
| Number of matches = 54, Correlation: High |                         |     |     |     |     |     |     |     |     |      |

**MAPPING CORRELATION BENCHMARK**

| Mapping     | 1-30% | 31-60%   | 61-70% | 71-100%   |
|-------------|-------|----------|--------|-----------|
| Matches     | 1-24  | 25-50    | 51-56  | 57-80     |
| Correlation | Poor  | Moderate | High   | Very High |



| COURSE STRUCTURE FOR M.Sc. BIOTECHNOLOGY<br>(For Students admitted from the academic year 2023-2024) |                                    |                        |                                                                                                         |           |        |            |     |     |       |
|------------------------------------------------------------------------------------------------------|------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------|-----------|--------|------------|-----|-----|-------|
| Part                                                                                                 | Category                           | Course Code            | Course Title                                                                                            | Hrs./Week | Credit | Exam. Hrs. | CIA | ESE | TOTAL |
| SEMESTER I                                                                                           |                                    |                        |                                                                                                         |           |        |            |     |     |       |
| I                                                                                                    | Core Course I                      | PCBTTC11               | Biochemistry                                                                                            | 6         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                      | Core Course II                     | PCBTTC12               | Molecular Genetics                                                                                      | 6         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                      | Core Course III                    | PCBTTC13               | Molecular Cell Biology                                                                                  | 5         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                      | Core Course IV                     | PCBTTC11               | Practical I – Biochemistry, Molecular Genetics and Molecular Cell Biology                               | 5         | 4      | 4          | 25  | 75  | 100   |
|                                                                                                      | Discipline Centric Elective I      | PCBTTE11/<br>PCBTTE12  | Bioinstrumentation / Human Physiology                                                                   | 4         | 2      | 3          | 25  | 75  | 100   |
|                                                                                                      | Elective II                        | PCBTTE13/<br>PCBTTE14  | Enzymology/<br>Cancer Biology                                                                           | 4         | 2      | 3          | 25  | 75  | 100   |
|                                                                                                      |                                    |                        | TOTAL                                                                                                   | 30        | 20     | -          | 150 | 450 | 600   |
| SEMESTER II                                                                                          |                                    |                        |                                                                                                         |           |        |            |     |     |       |
| I                                                                                                    | Core Course V                      | PCBTTC21               | Microbiology                                                                                            | 6         | 5      | 3          | 25  | 75  | 100   |
|                                                                                                      | Core Course VI                     | PCBTTC22               | Plant and Animal Biotechnology                                                                          | 6         | 5      | 3          | 25  | 75  | 100   |
|                                                                                                      | Core Course VII                    | PCBTTC21/<br>PCBTTC22/ | Genetic Engineering OR Practical II: Microbiology, Plant & Animal Biotechnology and Genetic Engineering | 6         | 4      | 3 / 4      | 25  | 75  | 100   |
|                                                                                                      | Discipline Centric Elective III    | PCBTTE21/<br>PCBTTE22  | Regulatory affairs and Industrial standards /Pharmaceutical Biotechnology                               | 4         | 3      | 3          | 25  | 75  | 100   |
|                                                                                                      | Elective IV                        | PCBTTE23/<br>PCBTTE24  | Environmental Biotechnology/ Medical Biotechnology                                                      | 4         | 3      | 3          | 25  | 75  | 100   |
| II                                                                                                   | Skill Enhancement Course I [NME I] | PCBTTS21               | Tissue Engineering                                                                                      | 4         | 2      | 3          | 25  | 75  | 100   |
|                                                                                                      |                                    |                        | TOTAL                                                                                                   | 30        | 22     | -          | 150 | 450 | 600   |
| SEMESTER III                                                                                         |                                    |                        |                                                                                                         |           |        |            |     |     |       |
| I                                                                                                    | Core Course VIII                   | PCBTTC31               | Bioinformatics                                                                                          | 6         | 5      | 3          | 25  | 75  | 100   |
|                                                                                                      | Core Course IX                     | PCBTTC32               | Immunology                                                                                              | 6         | 5      | 3          | 25  | 75  | 100   |
|                                                                                                      | Core Course X                      | PCBTTC33               | Bioprocess Technology                                                                                   | 6         | 4      | 3          | 25  | 75  | 100   |
|                                                                                                      | Core Course XI                     | PCBTTC34               | Practical III: Bioinformatics,                                                                          | 4         | 4      | 4          | 25  | 75  | 100   |

|                                                                                                                                          |                                      |                       |                                                                                       |     |    |         |     |      |      |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------|---------------------------------------------------------------------------------------|-----|----|---------|-----|------|------|
|                                                                                                                                          |                                      |                       | Immunology and Bioprocess Technology                                                  |     |    |         |     |      |      |
|                                                                                                                                          | Discipline Centric Elective V        | PCBTTE31/<br>PCBTTE32 | Nano Biotechnology / Molecular Developmental Biology                                  | 4   | 3  | 3       | 25  | 75   | 100  |
| II                                                                                                                                       | Skill Enhancement Course II [NME II] | PCBTTS31              | Gene manipulation Technology                                                          | 4   | 3  | 3       | 25  | 75   | 100  |
|                                                                                                                                          | Internship                           | PCBTIM31              | Internship / Industrial Activity                                                      | -   | 2  | 3       | 25  | 75   | 100  |
|                                                                                                                                          |                                      |                       | TOTAL                                                                                 | 30  | 26 | -       | 175 | 525  | 700  |
| SEMESTER IV                                                                                                                              |                                      |                       |                                                                                       |     |    |         |     |      |      |
| I                                                                                                                                        | Core Course XII                      | PCBTTC41              | Biostatistics                                                                         | 6   | 4  | 3       | 25  | 75   | 100  |
|                                                                                                                                          | Core Course XIII                     | PCBTTC42/<br>PCBTTC43 | Ecology, Evolution and Biodiversity /Research Methodology and Biostatistics Practical | 6   | 4  | 3/<br>4 | 25  | 75   | 100  |
|                                                                                                                                          | Core Course XIV                      | PCBTJC44              | Project with Viva-voce                                                                | 6   | 5  | 3       | 25  | 75   | 100  |
|                                                                                                                                          | Elective VI                          | PCBTTE41/<br>PCBTTE42 | Stem Cell Biology / Bioethics, Human Rights and Social Issues                         | 5   | 4  | 3       | 25  | 75   | 100  |
| II                                                                                                                                       | Skill Enhancement Course III         | PCBTTS41              | Biofertilizer technology                                                              | 5   | 3  | 3       | 25  | 75   | 100  |
|                                                                                                                                          | Value Based Course [Online Exam]     | PCHROM41              | Human Rights                                                                          | 2   | 2  | 2       | 25  | 75   | 100  |
| III                                                                                                                                      | Extension Activity                   | PCEXAM41              | Extension Activity                                                                    | -   | 1  | 3       | 25  | 75   | 100  |
| SWAYAM / NAAN MUDHALVAN/Online Spoken Tutorial by IIT Bombay – MOOC[ Mandatory Online Course to be eligible for obtaining the PG degree] |                                      |                       |                                                                                       |     |    |         |     |      |      |
|                                                                                                                                          |                                      |                       | TOTAL                                                                                 | 30  | 23 | -       | 175 | 525  | 700  |
|                                                                                                                                          |                                      |                       | Grand Total                                                                           | 120 | 91 |         | 650 | 1950 | 2600 |

# ALMANAC 2024-2025

| Date & Day | JUNE 2024             | Day Order | No. of Work. Days |
|------------|-----------------------|-----------|-------------------|
| 1 Sat      |                       | -         | -                 |
| 2 Sun      |                       | -         | -                 |
| 3 Mon      |                       | -         | -                 |
| 4 Tue      |                       | -         | -                 |
| 5 Wed      | World Environment Day | -         | -                 |
| 6 Thu      |                       | -         | -                 |
| 7 Fri      |                       | -         | -                 |
| 8 Sat      |                       | -         | -                 |
| 9 Sun      |                       | -         | -                 |
| 10 Mon     |                       | -         | -                 |
| 11 Tue     |                       | -         | -                 |
| 12 Wed     | Anti-Child Labour Day | -         | -                 |

| Date & Day | JUNE 2024                                               | Day Order | No. of Work. Days |
|------------|---------------------------------------------------------|-----------|-------------------|
| 13<br>Thu  |                                                         | -         | -                 |
| 14<br>Fri  |                                                         | -         | -                 |
| 15<br>Sat  |                                                         | -         | -                 |
| 16<br>Sun  |                                                         | -         | -                 |
| 17<br>Mon  | Eid-ul-Azha                                             | -         | -                 |
| 18<br>Tue  |                                                         | -         | -                 |
| 19<br>Wed  | College Re-opens after Summer Vacation for ODD Semester | 1         | 1                 |
| 20<br>Thu  |                                                         | 2         | 2                 |
| 21<br>Fri  | International Day of Yoga                               | 3         | 3                 |
| 22<br>Sat  |                                                         | -         | -                 |
| 23<br>Sun  |                                                         | -         | -                 |
| 24<br>Mon  |                                                         | 4         | 4                 |

| Date & Day | JUNE / JULY 2024                                                | Day Order | No. of Work. Days |
|------------|-----------------------------------------------------------------|-----------|-------------------|
| 25<br>Tue  |                                                                 | 5         | 5                 |
| 26<br>Wed  | International Day against Drug Abuse<br>and Illicit Trafficking | 6         | 6                 |
| 27<br>Thu  |                                                                 | 1         | 7                 |
| 28<br>Fri  |                                                                 | 2         | 8                 |
| 29<br>Sat  |                                                                 | 3         | 9                 |
| 30<br>Sun  |                                                                 | -         | -                 |
| 1<br>Mon   |                                                                 | 4         | 10                |
| 2<br>Tue   |                                                                 | 5         | 11                |
| 3<br>Wed   |                                                                 | 6         | 12                |
| 4<br>Thu   |                                                                 | 1         | 13                |
| 5<br>Fri   |                                                                 | 2         | 14                |
| 6<br>Sat   |                                                                 | -         | -                 |

| Date & Day | JULY 2024                | Day Order | No. of Work. Days |
|------------|--------------------------|-----------|-------------------|
| 7<br>Sun   |                          | -         | -                 |
| 8<br>Mon   | Islamic New Year Holiday | -         | -                 |
| 9<br>Tue   |                          | 3         | 15                |
| 10<br>Wed  |                          | 4         | 16                |
| 11<br>Thu  |                          | 5         | 17                |
| 12<br>Fri  |                          | 6         | 18                |
| 13<br>Sat  |                          | -         | -                 |
| 14<br>Sun  |                          | -         | -                 |
| 15<br>Mon  |                          | 1         | 19                |
| 16<br>Tue  |                          | 2         | 20                |
| 17<br>Wed  | Yaum-e-Ashura Holiday    | -         | -                 |
| 18<br>Thu  |                          | 3         | 21                |

| Date & Day | JULY 2024 | Day Order | No. of Work. Days |
|------------|-----------|-----------|-------------------|
| 19<br>Fri  |           | 4         | 22                |
| 20<br>Sat  |           | -         | -                 |
| 21<br>Sun  |           | -         | -                 |
| 22<br>Mon  |           | 5         | 23                |
| 23<br>Tue  |           | 6         | 24                |
| 24<br>Wed  |           | 1         | 25                |
| 25<br>Thu  |           | 2         | 26                |
| 26<br>Fri  |           | 3         | 27                |
| 27<br>Sat  |           | -         | -                 |
| 28<br>Sun  |           | -         | -                 |
| 29<br>Mon  |           | 4         | 28                |
| 30<br>Tue  |           | 5         | 29                |



| Date & Day | JULY / AUGUST 2024 | Day Order | No. of Work. Days |
|------------|--------------------|-----------|-------------------|
| 31<br>Wed  |                    | 6         | 30                |
| 1<br>Thu   |                    | 1         | 31                |
| 2<br>Fri   |                    | 2         | 32                |
| 3<br>Sat   |                    | 1         | 33                |
| 4<br>Sun   |                    | -         | -                 |
| 5<br>Mon   |                    | 3         | 34                |
| 6<br>Tue   |                    | 4         | 35                |
| 7<br>Wed   |                    | 5         | 36                |
| 8<br>Thu   |                    | 6         | 37                |
| 9<br>Fri   |                    | 1         | 38                |
| 10<br>Sat  |                    | -         | -                 |
| 11<br>Sun  |                    | -         | -                 |

| Date & Day | AUGUST 2024             | Day Order | No. of Work. Days |
|------------|-------------------------|-----------|-------------------|
| 12 Mon     | International Youth Day | 2         | 39                |
| 13 Tue     |                         | 3         | 40                |
| 14 Wed     |                         | 4         | 41                |
| 15 Thu     | Independence Day        | -         | -                 |
| 16 Fri     |                         | 5         | 42                |
| 17 Sat     |                         | 6         | 43                |
| 18 Sun     |                         | -         | -                 |
| 19 Mon     |                         | 1         | 44                |
| 20 Tue     |                         | 2         | 45                |
| 21 Wed     |                         | 3         | 46                |
| 22 Thu     |                         | 4         | 47                |
| 23 Fri     |                         | 5         | 48                |

| Date & Day | AUGUST / SEPTEMBER 2024      | Day Order | No. of Work. Days |
|------------|------------------------------|-----------|-------------------|
| 24 Sat     |                              | -         | -                 |
| 25 Sun     |                              | -         | -                 |
| 26 Mon     | Sri Krishna Jayanthi Holiday | -         | -                 |
| 27 Tue     |                              | 6         | 49                |
| 28 Wed     |                              | 1         | 50                |
| 29 Thu     | National Sports Day          | 2         | 51                |
| 30 Fri     |                              | 3         | 52                |
| 31 Sat     |                              | -         | -                 |
| 1 Sun      |                              | -         | -                 |
| 2 Mon      |                              | 4         | 53                |
| 3 Tue      |                              | 5         | 54                |
| 4 Wed      |                              | 6         | 55                |

| Date & Day | SEPTEMBER 2024                 | Day Order | No. of Work. Days |
|------------|--------------------------------|-----------|-------------------|
| 5<br>Thu   | Teacher's Day                  | 1         | 56                |
| 6<br>Fri   |                                | 2         | 57                |
| 7<br>Sat   | Sri Vinayaga Chaturthi Holiday | -         | -                 |
| 8<br>Sun   | International Literacy Day     | -         | -                 |
| 9<br>Mon   |                                | 3         | 58                |
| 10<br>Tue  |                                | 4         | 59                |
| 11<br>Wed  |                                | 5         | 60                |
| 12<br>Thu  |                                | 6         | 61                |
| 13<br>Fri  |                                | 1         | 62                |
| 14<br>Sat  | Hindi Diwas                    | -         | -                 |
| 15<br>Sun  |                                | -         | -                 |
| 16<br>Mon  |                                | 2         | 63                |

| Date & Day | SEPTEMBER 2024                | Day Order | No. of Work. Days |
|------------|-------------------------------|-----------|-------------------|
| 17<br>Tue  | Meelad-un-Nabi (Sal.) Holiday | -         | -                 |
| 18<br>Wed  |                               | 3         | 64                |
| 19<br>Thu  |                               | 4         | 65                |
| 20<br>Fri  |                               | 5         | 66                |
| 21<br>Sat  |                               | -         | -                 |
| 22<br>Sun  |                               | -         | -                 |
| 23<br>Mon  |                               | 6         | 67                |
| 24<br>Tue  |                               | 1         | 68                |
| 25<br>Wed  |                               | 2         | 69                |
| 26<br>Thu  |                               | 3         | 70                |
| 27<br>Fri  |                               | 4         | 71                |
| 28<br>Sat  |                               | -         | -                 |

| Date & Day | SEPTEMBER /<br>OCTOBER 2024 | Day Order | No. of Work. Days |
|------------|-----------------------------|-----------|-------------------|
| 29<br>Sun  |                             | -         | -                 |
| 30<br>Mon  |                             | 5         | 72                |
| 1<br>Tue   |                             | 6         | 73                |
| 2<br>Wed   | Gandhi Jayanthi Holiday     | -         | -                 |
| 3<br>Thu   |                             | 1         | 74                |
| 4<br>Fri   |                             | 2         | 75                |
| 5<br>Sat   |                             | 3         | 76                |
| 6<br>Sun   |                             | -         | -                 |
| 7<br>Mon   |                             | 4         | 77                |
| 8<br>Tue   |                             | 5         | 78                |
| 9<br>Wed   |                             | 6         | 79                |
| 10<br>Thu  |                             | 1         | 80                |

| Date & Day | OCTOBER 2024          | Day Order | No. of Work. Days |
|------------|-----------------------|-----------|-------------------|
| 11<br>Fri  | Ayudha Pooja Holiday  | -         | -                 |
| 12<br>Sat  | Vijaya Dasami Holiday | -         | -                 |
| 13<br>Sun  |                       | -         | -                 |
| 14<br>Mon  |                       | 2         | 81                |
| 15<br>Tue  |                       | 3         | 82                |
| 16<br>Wed  |                       | 4         | 83                |
| 17<br>Thu  |                       | 5         | 84                |
| 18<br>Fri  |                       | 6         | 85                |
| 19<br>Sat  |                       | 1         | 86                |
| 20<br>Sun  |                       | -         | -                 |
| 21<br>Mon  |                       | 2         | 87                |
| 22<br>Tue  |                       | 3         | 88                |

| Date & Day | OCTOBER /<br>NOVEMBER 2024 | Day<br>Order | No. of<br>Work. Days |
|------------|----------------------------|--------------|----------------------|
| 23<br>Wed  |                            | 4            | 89                   |
| 24<br>Thu  |                            | 5            | 90                   |
| 25<br>Fri  |                            | -            | -                    |
| 26<br>Sat  |                            | -            | -                    |
| 27<br>Sun  |                            | -            | -                    |
| 28<br>Mon  |                            | -            | -                    |
| 29<br>Tue  |                            | -            | -                    |
| 30<br>Wed  | Diwali                     | -            | -                    |
| 31<br>Thu  | ”                          | -            | -                    |
| 1<br>Fri   |                            | -            | -                    |
| 2<br>Sat   |                            | -            | -                    |
| 3<br>Sun   |                            | -            | -                    |



| Date & Day | NOVEMBER 2024  | Day Order | No. of Work. Days |
|------------|----------------|-----------|-------------------|
| 4<br>Mon   |                | -         | -                 |
| 5<br>Tue   |                | -         | -                 |
| 6<br>Wed   |                | -         | -                 |
| 7<br>Thu   |                | -         | -                 |
| 8<br>Fri   |                | -         | -                 |
| 9<br>Sat   |                | -         | -                 |
| 10<br>Sun  |                | -         | -                 |
| 11<br>Mon  |                | -         | -                 |
| 12<br>Tue  |                | -         | -                 |
| 13<br>Wed  |                | -         | -                 |
| 14<br>Thu  | Children's Day | -         | -                 |
| 15<br>Fri  |                | -         | -                 |

| Date & Day | NOVEMBER 2024             | Day Order | No. of Work. Days |
|------------|---------------------------|-----------|-------------------|
| 16 Sat     |                           | -         | -                 |
| 17 Sun     |                           | -         | -                 |
| 18 Mon     |                           | -         | -                 |
| 19 Tue     |                           | -         | -                 |
| 20 Wed     |                           | -         | -                 |
| 21 Thu     |                           | -         | -                 |
| 22 Fri     |                           | -         | -                 |
| 23 Sat     |                           | -         | -                 |
| 24 Sun     |                           | -         | -                 |
| 25 Mon     |                           | -         | -                 |
| 26 Tue     | National Constitution Day | -         | -                 |
| 27 Wed     |                           | -         | -                 |

| Date & Day | NOVEMBER /<br>DECEMBER 2024   | Day<br>Order | No. of<br>Work. Days |
|------------|-------------------------------|--------------|----------------------|
| 28<br>Thu  |                               | -            | -                    |
| 29<br>Fri  |                               | -            | -                    |
| 30<br>Sat  |                               | -            | -                    |
| 1<br>Sun   |                               | -            | -                    |
| 2<br>Mon   | Commencement of Even Semester | 1            | 1                    |
| 3<br>Tue   |                               | 2            | 2                    |
| 4<br>Wed   |                               | 3            | 3                    |
| 5<br>Thu   |                               | 4            | 4                    |
| 6<br>Fri   |                               | 5            | 5                    |
| 7<br>Sat   |                               | 6            | 6                    |
| 8<br>Sun   |                               | -            | -                    |
| 9<br>Mon   |                               | 1            | 7                    |

| Date & Day | DECEMBER 2024         | Day Order | No. of Work. Days |
|------------|-----------------------|-----------|-------------------|
| 10<br>Tue  | Human Rights Day      | 2         | 8                 |
| 11<br>Wed  |                       | 3         | 9                 |
| 12<br>Thu  |                       | 4         | 10                |
| 13<br>Fri  |                       | 5         | 11                |
| 14<br>Sat  |                       | -         | -                 |
| 15<br>Sun  |                       | -         | -                 |
| 16<br>Mon  |                       | 6         | 12                |
| 17<br>Tue  |                       | 1         | 13                |
| 18<br>Wed  | Minorities Rights Day | 2         | 14                |
| 19<br>Thu  |                       | 3         | 15                |
| 20<br>Fri  |                       | 4         | 16                |
| 21<br>Sat  |                       | 5         | 17                |

| Date & Day | DECEMBER 2024 /<br>JANUARY 2025 | Day Order | No. of Work. Days |
|------------|---------------------------------|-----------|-------------------|
| 22<br>Sun  | National Mathematics Day        | -         | -                 |
| 23<br>Mon  |                                 | 6         | 18                |
| 24<br>Tue  |                                 | 1         | 19                |
| 25<br>Wed  | Christmas Holiday               | -         | -                 |
| 26<br>Thu  |                                 | 2         | 20                |
| 27<br>Fri  |                                 | 3         | 21                |
| 28<br>Sat  |                                 | -         | -                 |
| 29<br>Sun  |                                 | -         | -                 |
| 30<br>Mon  |                                 | 4         | 22                |
| 31<br>Tue  |                                 | 5         | 23                |
| 1<br>Wed   | New Year Holiday                | -         | -                 |
| 2<br>Thu   |                                 | 6         | 24                |

| Date & Day | JANUARY 2025   | Day Order | No. of Work. Days |
|------------|----------------|-----------|-------------------|
| 3<br>Fri   |                | 1         | 25                |
| 4<br>Sat   |                | 2         | 26                |
| 5<br>Sun   |                | -         | -                 |
| 6<br>Mon   |                | 3         | 27                |
| 7<br>Tue   |                | 4         | 28                |
| 8<br>Wed   |                | 5         | 29                |
| 9<br>Thu   |                | 6         | 30                |
| 10<br>Fri  |                | 1         | 31                |
| 11<br>Sat  |                | 2         | 32                |
| 12<br>Sun  |                | -         | -                 |
| 13<br>Mon  | Bhogi Holiday  | -         | -                 |
| 14<br>Tue  | Pongal Holiday | -         | -                 |

| Date & Day | JANUARY 2025              | Day Order | No. of Work. Days |
|------------|---------------------------|-----------|-------------------|
| 15<br>Wed  | Thiruvalluvar Day Holiday | -         | -                 |
| 16<br>Thu  | Uzhavar Thirunal Holiday  | -         | -                 |
| 17<br>Fri  |                           | 3         | 33                |
| 18<br>Sat  |                           | 4         | 34                |
| 19<br>Sun  |                           | -         | -                 |
| 20<br>Mon  |                           | 5         | 35                |
| 21<br>Tue  |                           | 6         | 36                |
| 22<br>Wed  |                           | 1         | 37                |
| 23<br>Thu  |                           | 2         | 38                |
| 24<br>Fri  |                           | 3         | 39                |
| 25<br>Sat  |                           | 4         | 40                |
| 26<br>Sun  | Republic Day              | -         | -                 |

| Date & Day | JANUARY /<br>FEBRUARY 2025 | Day<br>Order | No. of<br>Work. Days |
|------------|----------------------------|--------------|----------------------|
| 27<br>Mon  | Shab-e-Meraj Holiday       | -            | -                    |
| 28<br>Tue  |                            | 5            | 41                   |
| 29<br>Wed  |                            | 6            | 42                   |
| 30<br>Thu  |                            | 1            | 43                   |
| 31<br>Fri  |                            | 2            | 44                   |
| 1<br>Sat   |                            | 3            | 56                   |
| 2<br>Sun   |                            | -            | -                    |
| 3<br>Mon   |                            | 4            | 46                   |
| 4<br>Tue   |                            | 5            | 47                   |
| 5<br>Wed   |                            | 6            | 48                   |
| 6<br>Thu   |                            | 1            | 49                   |
| 7<br>Fri   |                            | 2            | 50                   |



| Date & Day | FEBRUARY 2025         | Day Order | No. of Work. Days |
|------------|-----------------------|-----------|-------------------|
| 8 Sat      |                       | 3         | 51                |
| 9 Sun      |                       | -         | -                 |
| 10 Mon     |                       | 4         | 52                |
| 11 Tue     | Thai Poosam Holiday   | -         | -                 |
| 12 Wed     |                       | 5         | 53                |
| 13 Thu     |                       | 6         | 54                |
| 14 Fri     | Shab-e-Barath Holiday | -         | -                 |
| 15 Sat     |                       | -         | -                 |
| 16 Sun     |                       | -         | -                 |
| 17 Mon     |                       | 1         | 55                |
| 18 Tue     |                       | 2         | 56                |
| 19 Wed     |                       | 3         | 57                |

| Date & Day | FEBRUARY / MARCH 2025 | Day Order | No. of Work. Days |
|------------|-----------------------|-----------|-------------------|
| 20<br>Thu  |                       | 4         | 58                |
| 21<br>Fri  |                       | 5         | 59                |
| 22<br>Sat  |                       | 6         | 60                |
| 23<br>Sun  |                       | -         | -                 |
| 24<br>Mon  |                       | 1         | 61                |
| 25<br>Tue  |                       | 2         | 62                |
| 26<br>Wed  |                       | 3         | 63                |
| 27<br>Thu  |                       | 4         | 64                |
| 28<br>Fri  | National Science Day  | 5         | 65                |
| 1<br>Sat   | First Day of Ramzan   | -         | -                 |
| 2<br>Sun   |                       | -         | -                 |
| 3<br>Mon   |                       | 6         | 66                |

| Date & Day | MARCH 2025 | Day Order | No. of Work. Days |
|------------|------------|-----------|-------------------|
| 4<br>Tue   |            | 1         | 67                |
| 5<br>Wed   |            | 2         | 68                |
| 6<br>Thu   |            | 3         | 69                |
| 7<br>Fri   |            | 4         | 70                |
| 8<br>Sat   |            | 5         | 71                |
| 9<br>Sun   |            | -         | -                 |
| 10<br>Mon  |            | 6         | 72                |
| 11<br>Tue  |            | 1         | 73                |
| 12<br>Wed  |            | 2         | 74                |
| 13<br>Thu  |            | 3         | 75                |
| 14<br>Fri  |            | 4         | 76                |
| 15<br>Sat  |            | -         | -                 |

| Date & Day | MARCH 2025  | Day Order | No. of Work. Days |
|------------|-------------|-----------|-------------------|
| 16<br>Sun  |             | -         | -                 |
| 17<br>Mon  |             | 5         | 77                |
| 18<br>Tue  |             | 6         | 78                |
| 19<br>Wed  |             | 1         | 79                |
| 20<br>Thu  |             | 2         | 80                |
| 21<br>Fri  |             | 3         | 81                |
| 22<br>Sat  |             | 4         | 82                |
| 23<br>Sun  |             | -         | -                 |
| 24<br>Mon  |             | -         | -                 |
| 25<br>Tue  |             | -         | -                 |
| 26<br>Wed  |             | -         | -                 |
| 27<br>Thu  | Shab-e-Qadr | -         | -                 |

| Date & Day | MARCH / APRIL 2025  | Day Order | No. of Work. Days |
|------------|---------------------|-----------|-------------------|
| 28<br>Fri  |                     | -         | -                 |
| 29<br>Sat  |                     | -         | -                 |
| 30<br>Sun  | Telugu New Year     | -         | -                 |
| 31<br>Mon  | Eid-ul-Fitr Holiday | -         | -                 |
| 1<br>Tue   |                     | -         | -                 |
| 2<br>Wed   |                     | 5         | 83                |
| 3<br>Thu   |                     | 6         | 84                |
| 4<br>Fri   |                     | 1         | 85                |
| 5<br>Sat   |                     | 2         | 86                |
| 6<br>Sun   |                     | -         | -                 |
| 7<br>Mon   |                     | 3         | 87                |
| 8<br>Tue   |                     | 4         | 88                |

| Date & Day | APRIL 2025                                           | Day Order | No. of Work. Days |
|------------|------------------------------------------------------|-----------|-------------------|
| 9<br>Wed   |                                                      | 5         | 89                |
| 10<br>Thu  | Mahaveer Jayanthi Holiday                            | -         | -                 |
| 11<br>Fri  |                                                      | 6         | 90                |
| 12<br>Sat  |                                                      | -         | -                 |
| 13<br>Sun  |                                                      | -         | -                 |
| 14<br>Mon  | Dr. B.R. Ambedkar Birthday<br>Tamil New Year Holiday | -         | -                 |
| 15<br>Tue  |                                                      | -         | -                 |
| 16<br>Wed  |                                                      | -         | -                 |
| 17<br>Thu  |                                                      | -         | -                 |
| 18<br>Fri  | Good Friday Holiday                                  | -         | -                 |
| 19<br>Sat  |                                                      | -         | -                 |
| 20<br>Sun  |                                                      | -         | -                 |

| Date & Day | APRIL 2025 | Day Order | No. of Work. Days |
|------------|------------|-----------|-------------------|
| 21<br>Mon  |            | -         | -                 |
| 22<br>Tue  |            | -         | -                 |
| 23<br>Wed  |            | -         | -                 |
| 24<br>Thu  |            | -         | -                 |
| 25<br>Fri  |            | -         | -                 |
| 26<br>Sat  |            | -         | -                 |
| 27<br>Sun  |            | -         | -                 |
| 28<br>Mon  |            | -         | -                 |
| 29<br>Tue  |            | -         | -                 |
| 30<br>Wed  |            | -         | -                 |
|            |            |           |                   |
|            |            |           |                   |

**OFFICE OF THE CONTROLLER OF EXAMINATIONS****CALENDAR 2024-2025 ODD SEMESTER**

|            |                                                                               |
|------------|-------------------------------------------------------------------------------|
| 17-08-2024 | : Submission of CIA Test I question papers (soft copy)                        |
| 27-08-2024 | : CIA Test I begins                                                           |
| 06-09-2024 | : Issue of End Semester Exam Applications                                     |
| 18-09-2024 | : Last Date for submission of End Semester Exam Applications without late fee |
| 18-09-2024 | : Last Date for submission of CIA Test II Question Papers [Soft copy]         |
| 26-09-2024 | : Last Date for submission of End Semester Exam Applications with Late Fee    |
| 23-09-2024 | : Model Practical Examination Begins                                          |
| 03-10-2024 | : CIA Test II begins                                                          |
| 14-10-2024 | : Time Table for End Semester Theory Examinations                             |
| 14-10-2024 | : End Semester Practical Examination begins                                   |
| 21-10-2024 | : Entry of Internal Assessment Marks                                          |
| 24-10-2024 | : Issue of End Semester Examination Hall Ticket                               |
| 25-10-2024 | : Students Signing Internal Assessment Marks Register                         |
| 28-10-2024 | : End Semester Examination begins                                             |
| 27-11-2024 | : Publication of ESE results                                                  |
| 02-12-2024 | : Last Date for Submission of Photocopy Applications                          |
| 07-12-2024 | : Last Date for Submission of Revaluation Applications                        |
| 09-12-2024 | : Revaluation Results                                                         |
| 12-12-2024 | : Distribution of Grade Cards                                                 |



**CALENDAR 2024-2025 EVEN SEMESTER**

|            |   |                                                                               |
|------------|---|-------------------------------------------------------------------------------|
| 18-01-2025 | : | Submission of CIA Test I question papers (soft copy)                          |
| 03-02-2025 | : | CIA Test I begins                                                             |
| 27-02-2025 | : | Issue of End Semester Exam Applications                                       |
| 24-02-2025 | : | Submission of CIA Test II question papers (soft copy)                         |
| 03-03-2025 | : | Model Practical Examination Begins                                            |
| 07-03-2025 | : | Last Date for submission of End Semester Exam Applications [without late fee] |
| 10-03-2025 | : | CIA Test II begins                                                            |
| 14-03-2025 | : | Last Date for submission of End Semester Exam Applications with Late Fee      |
| 20-03-2025 | : | End Semester Practical Examination begins                                     |
| 02-04-2025 | : | Entry of Internal Assessment Marks for the EVEN semester                      |
| 02-04-2025 | : | Time Table for End Semester Examinations                                      |
| 09-04-2025 | : | Issue of End Semester Examination Hall Ticket                                 |
| 11-04-2025 | : | Students Signing Internal Assessment Marks Register                           |
| 17-04-2025 | : | End Semester Theory Examination begins                                        |
| 21-05-2025 | : | Publication of ESE results                                                    |
| 26-05-2025 | : | Last Date for Submission of Photo Copy Application                            |
| 31-05-2025 | : | Last Date for Submission of Revaluation Applications                          |
| 02-06-2025 | : | Revaluation Results                                                           |
| 03-06-2025 | : | Distribution of Grade Cards                                                   |
| 07-06-2025 | : | Last Date for Instant Supplementary Examination Application                   |
| 09-06-2025 | : | Instant Examination                                                           |
| 09-06-2025 | : | Instant Examination Results                                                   |

| TIME – TABLE (ODD SEMESTER) |   |   |   |   |   |  |
|-----------------------------|---|---|---|---|---|--|
| Day<br>Order                | 1 | 2 | 3 | 4 | 5 |  |
| Day 1                       |   |   |   |   |   |  |
| Day 2                       |   |   |   |   |   |  |
| Day 3                       |   |   |   |   |   |  |
| Day 4                       |   |   |   |   |   |  |
| Day 5                       |   |   |   |   |   |  |
| Day 6                       |   |   |   |   |   |  |

| TIME – TABLE (EVEN SEMESTER) |   |   |   |   |   |  |
|------------------------------|---|---|---|---|---|--|
| Day<br>Order                 | 1 | 2 | 3 | 4 | 5 |  |
| Day 1                        |   |   |   |   |   |  |
| Day 2                        |   |   |   |   |   |  |
| Day 3                        |   |   |   |   |   |  |
| Day 4                        |   |   |   |   |   |  |
| Day 5                        |   |   |   |   |   |  |
| Day 6                        |   |   |   |   |   |  |



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## **ISLAMIAH COLLEGE (AUTONOMOUS)**

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