

## ISLAMIAH COLLEGE (AUTONOMOUS) 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.	Corporate Secretaryship	1982
9	B.A.	Industrial Organisation	1983
10	B.Sc.	Biochemistry	1985
11	M.Phil.	Commerce	1986
12	M.Sc.	Chemistry	1986
13	B.Sc.	Computer Science	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.	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.Sc.	Computer Science	1999
8	M.Phil.	Chemistry	2000
9	B.C.A.	Computer Application	2000
10	Ph.D.	Chemistry	2005
11	Ph.D.	Mathematics	2005
12	M.Phil.	Biochemistry	2009
13	M.Phil.	Physics	2009
14	B.A.	English Lit.	2010
15	B.Sc.	Software Computer Science	2010
16	M.A.	English Lit.	2010
17	M.Sc.	Biotechnology	2010
18	Ph.D.	Physics	2010
19	B.Sc.	Computer Science	2013
20	M.Phil.	Computer Science	2013
21	M.Phil.	Biotechnology	2013
22	Ph.D	Biotechnology	2014
23	Ph.D	Biochemistry	2016
24	B.Com.	Commerce	2016

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 2003-2004. 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 are successfully completed the first phase of autonomy during academic year 2015-2016. The College has been reaccredited by National Assessment and Accreditation Council (NAAC), Bangalore with A Grade from February 2014, and the college will go for 3<sup>rd</sup> cycle of accreditation during the year 2018-19. By the grace of Almighty, 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 entered into a new era of partnership in education with Aligarh Muslim University (AMU), Indira Gandhi National Open University (IGNOU), and Maulana Azad National Urdu University (MANUU) the internationally reputed centers for higher education, from the academic year 2013-14, 2008-2009 and 1999-2000 respectively to widen the scope of learning to the employed / unemployed to get a degree and regular students to pursue an additional courses.

The aim of the College is to foster in the teachers, 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.

**REGULATIONS**  
**BACHELOR DEGREE COURSES**  
**(For the candidates admitted from 2018-2019)**

**CBCS**

Choice-Based Credit System (CBCS) is flexible for learning. Credit defines the quantum of contents / syllabi prescribed for a course and determine 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 inter-disciplinary approach in learning.
- Make best use of the expertise of available faculty

**1. Eligibility for Admission**

Candidates for admission to the first year of the Bachelor Degree in Arts / Science / Commerce/Business Administration courses, 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 candidates 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 courses of study.

Admission to direct second year of the UG degree programme under **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 successfully completed their three year diploma course in the subject in which he seeks admission.

**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 at any time before completing the course, fee for the residual period of the course should be paid by the candidate as per rules in force.

### 3. Eligibility for the Award of Degree

A Candidate 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 three academic years and passed the examinations of all the Six Semesters prescribed, earning **150 credits** and fulfilled 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 of the first and second semester, 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 atleast 90 working days comprising of 450 instructional hours for each semester.

### 5. Course of Study

The main subject of study for Bachelor Degree courses shall consist of the following:

<b>PART-I</b>	<b>CORE COURSES</b> including interdisciplinary ( <b>12 + 12 = 24</b> )
<b>PART-II</b>	<b>ELECTIVE COURSES</b> including Language and English ( <b>6 + 6 = 12</b> )
<b>PART-III</b>	<b>ABILITY ENHANCEMENT COURSES–</b> Environmental Studies, Value Education and Skill Enhancement Courses ( <b>2 + 4 = 6</b> )

### Extension activities

All the students shall have to enroll 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 compulsory minimum attendance of 40 hours which shall be duly certified by the Principal of the college before 31<sup>st</sup> March in a year. If a student lacks 40 hours attendance in the First year, he has to compensate the same during the subsequent years. Literacy and Population Education field work shall be compulsory components in the above extension service activities.

## 6. Project Work

It is considered as a special course involving application of knowledge in solving / analyzing / exploring real life situation / difficult problems. The new CBCS provides an opportunity for the Undergraduate students to learn some research components at this level. The project work would be of 5 / 6 credits given in lieu of one discipline specific paper in the sixth semester.

The duration of the project work is 75 hours within the College campus included in the Time-table. If the project work requires field work 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 field work during the working days of the college, no separate hours to be earmarked in the final semester Time-table.

### Evaluation of the Project Work

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 other related faculty from within the college / affiliating University Departments / any affiliated college within Vellore district.

### 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	15 Marks
Assignment / Seminar / Observation	5 Marks
Attendance	5 Marks
TOTAL	25 Marks

R. No	Name	Test I - 75	Test II - 75	Total - 150	Marks converted to 15	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

## 7. Requirements for proceeding to subsequent Semester

- Candidates shall register their names for the First semester Examination after admission in the UG courses.
- Candidates 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.
- Candidates shall be eligible to go to subsequent semesters as per the attendance rules prescribed by the Governing Body from time to time.

## 8. Requirements to take the End Semester Examinations

- a) A candidate will be permitted to take the End Semester Examinations of any Semester, if
- he secures atleast 75% of attendance out of the 90 instructional days / 450 instructional hours during the particular Semester.
  - he earns a progress certificate from the Principal of having satisfactorily completed the prescribed course of study in the subjects as required by these Regulations, and
  - his conduct has been satisfactory.

- b) A candidate 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.

### 9. Passing Minimum

A candidate shall be declared to have passed the whole examination, if he passes in all the papers and practicals, wherever prescribed / as per the scheme of examinations by earning 150 CREDITS. He shall also 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, 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.

### 10. 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 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 student in terms of Grade Points secured in the Internal and External Examinations.

### 11. Classification of Successful Candidates

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

Passed all the courses with <b>CGPA 7.5 and Above</b>	: First Class with Distinction
Passed all the courses with <b>CGPA 6 to 7.4</b>	: First Class
Passed all the courses with <b>CGPA 5 to 5.9</b>	: Second Class
Passed all the courses with <b>CGPA 4 to 4.9</b>	: 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.

### 12. Ranking

Candidates who pass all the examinations prescribed for the course in the First Appearance alone are eligible for Ranking, provided in the case of candidates who pass all the examinations prescribed for the course 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.

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

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

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

Candidates 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 note books may be permitted to take the Practical Examinations provided the Head of the Department and the Course Teacher concerned certifies 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 Controller of Examinations to the Examiners through the Head of the Department concerned, at the subsequent appearance by the candidate.

### **15. Submission of Project Reports**

The projects for the UG / PG degree courses may be an independent or a group. In case of group projects, a maximum of FIVE students only should be in a group. The format for the title page, certificate by the project advisor, declaration by the candidate(s) and the certificate for internship training taken outside the college campus is available in the office of the Controller of Examinations. 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.

### **16. Improvement of Marks in the Courses already passed**

Candidates, desirous of improving the marks secured in a passed course in 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 as decided by the Governing Body from time to time. Candidates will not be allowed to improve marks in the Practical, Project, and Viva-voce and field work.

### **17. Self-Supportive Courses**

The above Regulations shall be applicable for candidates undergoing the respective self-supportive courses also.

### **18. Rank Holders**

The students who secure highest marks in aggregate of all the subjects in first attempt of the autonomous examinations will be the Rank Holder. This is applicable to all UG/PG/M.Phil. programmes of our College. The Rank Holder will be awarded with a certificate and prize.

### **19. Transitory Provision**

Candidates who have joined the programme from the academic year 2018-19 will be permitted to appear for the examinations under this Regulation for a maximum period of **SIX** years including the regular period of study. 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 course. The fee for such re-registration will be as decided by the Governing Body from time to time.

### **QUESTION PAPER PATTERN**

<b>Section A</b>	<b>To answer All the 10 questions (Two questions from each UNIT)</b>	<b>10 x 2 = 20 Marks</b>
<b>Section B</b>	<b>To answer ALL the 5 questions (either or type) (One questions from each UNIT)</b>	<b>5 x 5 = 25 Marks</b>
<b>Section C</b>	<b>To answer 3 questions (out of 5 questions) (One questions from each UNIT)</b>	<b>3 x10 =30 Marks</b>
<b>TOTAL</b>		<b>75 Marks</b>



**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**UG DEGREE COURSES**  
**(CBCS PATTERN)**  
**COURSE STRUCTURE FOR UG PROGRAMMES**  
**(For the Candidates admitted from the academic year 2018 – 2019)**

LANGUAGES								
Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs.
URDU								
I	EC	U8FUR101	LANGUAGE	EC01	Urdu Paper I	6	5	3
II		U8FUR201		EC04	Urdu Paper II	6	5	3
III		U8FUR301		EC07	Urdu Paper III	4	4	3
IV		U8URNM31	NON-MAJOR	EC08	Basic Urdu I	2	1	3
		U8FUR401	LANGUAGE	EC10	Urdu Paper IV	4	4	3
		U8URNM41	NON-MAJOR	EC11	Basic Urdu II	2	1	3
ARABIC								
I	EC	U8FAR101	LANGUAGE	EC01	Arabic Paper I	6	5	3
II		U8FAR201		EC04	Arabic Paper II	6	5	3
III		U8FAR301		EC07	Arabic Paper III	4	4	3
IV		U8ARNM31	NON-MAJOR	EC08	Basic Arabic I	2	1	3
		U8FAR401	LANGUAGE	EC10	Arabic Paper IV	4	4	3
		U8ARNM41	NON-MAJOR	EC11	Basic Arabic II	2	1	3
HINDI								
I	EC	U8FHD101	LANGUAGE	EC01	Hindi Paper I	6	5	3
II		U8FHD201		EC04	Hindi Paper II	6	5	3
III		U8FHD301		EC07	Hindi Paper III	4	4	3
IV		U8HDNM31	NON-MAJOR	EC08	Basic Hindi I	2	1	3
		U8FHD401	LANGUAGE	EC10	Hindi Paper IV	4	4	3
		U8HDNM41	NON-MAJOR	EC11	Basic Hindi II	2	1	3
TAMIL								
I	EC	U8FTA101	LANGUAGE	EC01	Tamil Paper I	6	5	3
II		U8FTA201		EC04	Tamil Paper II	6	5	3
III		U8FTA301		EC07	Tamil Paper III	4	4	3
IV		U8TANM31	NON-MAJOR	EC08	Ariviyal Tamil I	2	1	3
		U8FTA401	LANGUAGE	EC10	Tamil Paper IV	4	4	3
		U8TANM41	NON-MAJOR	EC11	Ariviyal Tamil II	2	1	3
ENGLISH								
I	EC	U8FEN101	ENGLISH	EC02	English Paper I	4	4	3
II		U8FEN201	ENGLISH	EC05	English Paper II	6	5	3
III		U8FEN301	ENGLISH	EC09	English Paper III	6	5	3
IV		U8FEN401	ENGLISH	EC12	English Paper IV	6	5	3
ABILITY ENHANCEMENT COURSE								
I	AEC	U8VED101	Value EDU*	AEC1	Value Education*	2	1	2
II	AEC	U8ENV201	ENV Studies	AEC2	Environmental Studies	2	1	2
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III]								

B.A. ENGLISH								
Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs.
I	EC	U8FUR101/ U8FAR101/ U8FHD101/ U8FTA101	Language	EC01	Urdu Paper I/Arabic Paper I / Hindi Paper I/ Tamil Paper I	6	5	3
	EC	U8FEN101	Language	EC02	English Paper I	4	4	3
	AEC	U8VED101	Value EDU*	AEC1	Value Education*	2	1	3
	CC	U8EN1001	Core	CC01	Indian literature in English	5	5	3
	CC	U8EN1002	Core	CC02	Fiction	4	3	3
	CC	U8ENAL11	Allied	CC03	Allied-Literary Forms	5	4	3
	EC	U8ENAL12	Allied	EC03	Allied-The History of English Literature I [1350-1850]	4	3	3
	TOTAL					30	25	-
II	EC	U8FUR201/ U8FAR201/ U8FHD201/ U8FTA201	Language	EC04	Urdu Paper II/Arabic Paper II/Hindi Paper II/ Tamil Paper II	6	5	3
	EC	U8FEN201	Language	EC05	English Paper II	6	5	3
	AEC	U8ENV201	ENV Studies	AEC2	Environmental Studies	2	1	3
	CC	U8EN2001	Core	CC04	English Prose	4	4	3
	CC	U8EN2002	Core	CC05	English Drama	4	3	3
	CC	U8ENAL21	Allied	CC06	Allied-The Social History of England	4	4	3
	EC	U8ENAL22	Allied	EC06	Allied-The History of English Literature II [1851-1950]	4	3	3
	TOTAL					30	25	-
III	EC	U8FUR301/ U8FAR301/ U8FHD301/ U8FTA301	Language	EC07	Urdu Paper III/Arabic Paper III/Hindi Paper III/ Tamil Paper III	4	4	3
	EC	U8URNM31/ U8ARNM31/ U8HINM31/ U8TANM31	Non-Major	EC08	Basic Urdu I/ Basic Arabic I/ Basic Hindi I/Ariviyal Tamil I	2	1	3
	EC	U8FEN301	Language	EC09	English Paper III	6	5	3
	CC	U8EN3001	Core	CC07	English Poetry	5	5	3
	CC	U8EN3002	Core	CC08	Shakespeare	4	3	3
	CC	U8ENAL31	Allied	CC09	Allied-The History of English Language	5	4	3
	AEC	U8ENAL32	Allied	AEC3	Allied-English for Communication	4	3	3
	TOTAL					30	25	-
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III]								

Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs
IV	EC	U8FUR401/ U8FAR401/ U8FHD401/ U8FTA401	Language	EC10	Urdu Paper IV/ Arabic Paper IV/ Hindi Paper IV/ Tamil Paper IV	4	4	3
	EC	U8URNM41/ U8ARNM41/ U8HDNM41/ U8TANM41	Non-Major	EC11	Basic Urdu-II/ Basic Arabic II/ Basic Hindi II/Ariviyal Tamil II	2	1	3
	EC	U8FEN401	Language	EC12	English Paper IV	6	5	3
	CC	U8EN4001	Core	CC10	English Language Teaching	5	5	3
	CC	U8EN4002	Core	CC11	American Literature-I	4	3	3
	CC	U8ENAL41	Allied	CC12	Allied-An Introduction To American Culture	5	4	3
	AEC	U8ENAL42	Allied	AEC4	Allied-Computer Literacy	4	3	3
<b>TOTAL</b>						<b>30</b>	<b>25</b>	<b>-</b>
V	CC	U8EN5001	Core	CC13	English Phonetics	5	5	3
	CC	U8EN5002	Core	CC14	American Literature-II	5	5	3
	CC	U8EN5003	Core	CC15	American Literary History	5	5	3
	CC	U8EN5004	Core	CC16	Introduction to Literary Criticism	5	5	3
	CC	U8EN5005	Core	CC17	20 <sup>th</sup> Century Literature-I	4	2	3
	CC	U8EN5006	Core	CC18	African-American Literature	4	2	3
	AEC	U8ENSB51	Skill Based	AEC5	English for Competitive Examinations-I	2	1	3
<b>TOTAL</b>						<b>30</b>	<b>25</b>	<b>-</b>
VI	CC	U8EN6001	Core	CC19	Journalism and Mass Communication	5	5	3
	CC	U8EN6002	Core	CC20	20 <sup>th</sup> Century Literature-II	5	5	3
	CC	U8EN6003	Core	CC21	Common Wealth Literature	5	5	3
	CC	U8EN6004	Core	CC22	Gender Studies	5	5	3
	CC	U8EN6005	Core	CC23	Creative Writing	4	2	3
	CC	U8EN6006	Core	CC24	Soft Skills	4	2	3
	AEC	U8ENSB61	Skill Based	AEC6	English for Competitive Examinations-II	2	1	3
<b>TOTAL</b>						<b>30</b>	<b>25</b>	<b>-</b>
<b>GRAND TOTAL</b>						<b>180</b>	<b>150</b>	

B.A. HISTORY								
Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs.
I	EC	U8FUR101/ U8FAR101/ U8FHD101/ U8FTA101	Language	EC01	Urdu Paper I/Arabic Paper I/ Hindi Paper I/ Tamil Paper I	6	5	3
	EC	U8FEN101	Language	EC02	English Paper I	4	4	3
	AEC	U8VED101	Value EDU*	AEC1	Value Education*	2	1	3
	CC	U8HI1001	Core	CC01	History of India upto 712 A.D.	5	5	3
	CC	U8HI1002	Core	CC02	History of Tamil Nadu up to 1336 A.D.	4	3	3
	CC	U8HIAL11	Allied	CC03	Allied-Introduction to Tourism	5	4	3
	EC	U8HIAL12	Allied	EC03	Allied-Intellectual History of 20 <sup>th</sup> Century India	4	3	3
<b>TOTAL</b>						<b>30</b>	<b>25</b>	
II	EC	U8FUR201/ U8FAR201/ U8FHD201/ U8FTA201	Language	EC04	Urdu Paper II/Arabic Paper II/ Hindi Paper II/ Tamil Paper II	6	5	3
	EC	U8FEN201	Language	EC05	English Paper II	6	5	3
	AEC	U8ENV201	ENV Studies	AEC2	Environmental Studies	2	1	3
	CC	U8HI2001	Core	CC04	History of India from 712 A.D.to 1526 A.D.	4	4	3
	CC	U8HI2002	Core	CC05	History of Tamil Nadu from 1336 A.D. to 1806 A.D.	4	3	3
	CC	U8HIAL21	Allied	CC06	Allied-Tourism Resources of India	4	4	3
	EC	U8HIAL22	Allied	EC06	Allied-Intellectual History of Tamil Nadu	4	3	3
<b>TOTAL</b>						<b>30</b>	<b>25</b>	<b>-</b>
III	EC	U8FUR301/ U8FAR301/ U8FHD301/ U8FTA301	Language	EC07	Urdu Paper III/Arabic Paper III/Hindi Paper III/ Tamil Paper III	4	4	3
	EC	U8URNM31/ U8ARNM31/ U8HINM31/ U8TANM31	Non-Major	EC08	Basic Urdu-I/ Basic Arabic I/ Basic Hindi I/ Ariviyal Tamil I	2	1	3
	EC	U8FEN301	Language	EC09	English Paper III	6	5	3
	CC	U8HI3001	Core	CC07	History of India from 1526 A.D. to 1707 A.D.	5	5	3
	CC	U8HI3002	Core	CC08	History of Tamil Nadu from 1806 A.D. to 2010 A.D.	4	3	3
	CC	U8HIAL31	Allied	CC09	Allied-Tourism in South India	5	4	3
	AEC	U8HIAL32	Allied	AEC3	Allied-Studies on States and Governments	4	3	3
<b>TOTAL</b>						<b>30</b>	<b>25</b>	<b>-</b>
<b>CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III]</b>								



Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs
IV	EC	U8FUR401/ U8FAR401/ U8FHD401/ U8FTA401	Language	EC10	Urdu Paper IV/ Arabic Paper IV/ Hindi Paper IV/ Tamil Paper IV	4	4	3
	EC	U8URNM41/ U8ARNM41/ U8HINM41/ U8TANM41	Non-Major	EC11	Basic Urdu-II/ Basic Arabic II/ Basic Hindi II/Ariviyal Tamil II	2	1	3
	EC	U8FEN401	Language	EC12	English Paper IV	6	5	3
	CC	U8HI4001	Core	CC10	History of India from 1707 A.D. to 1857 A.D.	5	5	3
	CC	U8HI4002	Core	CC11	India and Her Neighbours	4	3	3
	CC	U8HIAL41	Allied	CC12	Allied-Travel Agency Management	5	4	3
	AEC	U8HIAL42	Allied	AEC4	Allied-Constitutional History of India	4	3	3
	TOTAL					30	25	-
V	CC	U8HI5001	Core	CC13	History of India from 1857 A.D. to 1947 A.D.	5	5	3
	CC	U8HI5002	Core	CC14	History of the Arabs from 500 A.D. to 750 A.D.	5	5	3
	CC	U8HI5003	Core	CC15	History of the USA from Colonization to 1865 A.D.	5	5	3
	CC	U8HI5004	Core	CC16	History of Europe from 1453 A.D. to 1789 A.D.	5	5	3
	CC	U8HI5005	Core	CC17	History of Japan from 1853 A.D. to 2000 A.D.	4	2	3
	CC	U8HI5006	Core	CC18	Select Constitutions (U.K, U.S.A, Switzerland, China, Japan)	4	2	3
	AEC	U8HISB51	Skill Based	AEC5	General Knowledge	2	1	3
	TOTAL					30	25	-
VI	CC	U8HI6001	Core	CC19	History of India from 1947 A.D. to 2014 A.D.	5	5	3
	CC	U8HI6002	Core	CC20	History of the Arabs from 750 A.D. to 1258 A.D.	5	5	3
	CC	U8HI6003	Core	CC21	History of the USA from 1865 A.D. to 2014 A.D.	5	5	3
	CC	U8HI6004	Core	CC22	History of Europe from 1789 A.D. to 2000 A.D.	5	5	3
	CC	U8HI6005	Core	CC23	History of China from 1900 A.D. to 2000 A.D.	4	2	3
	CC	U8HI6006	Core	CC24	Muslims Contribution to Humanity	4	2	3
	AEC	U8HISB61	Skill Based	AEC6	Competitive Examinations	2	1	3
	TOTAL					30	25	-
	GRAND TOTAL					180	150	-

B.B.A								
Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs
I	EC	U8FUR101/ U8FAR101/ U8FHD101/ U8FTA101	Language	EC01	Urdu Paper I/Arabic Paper I/ Hindi Paper I/ Tamil Paper I	6	5	3
	EC	U8FEN101	Language	EC02	English Paper I	4	4	3
	AEC	U8VED101	Value EDU*	AEC1	Value Education*	2	1	3
	CC	U8BA1001	Core	CC01	Principles of Management	5	5	3
	CC	U8BA1002	Core	CC02	Business Organization	4	3	3
	EC	U8BAAL11	Allied	EC03	Allied-Business Mathematics and Statistics I	5	4	3
	EC	U8BAAL12	Allied	EC04	Allied-Fundamentals of Computer	4	3	3
		TOTAL					30	25
II	EC	U8FUR201/ U8FAR201/ U8FHD201/ U8FTA201	Language	EC05	Urdu Paper II/Arabic Paper II/Hindi Paper II/ Tamil Paper II	6	5	3
	EC	U8FEN201	Language	EC06	English Paper II	6	5	3
	AEC	U8ENV201	ENV Studies	AEC2	Environmental Studies	2	1	3
	CC	U8BA2001	Core	CC03	Managerial Communication	4	4	3
	CC	U8BA2002	Core	CC04	Banking and Financial System	4	3	3
	EC	U8BAAL21	Allied	EC07	Allied-Business Mathematics and Statistics II	4	4	3
	EC	U8BAAL22	Allied	EC08	Allied-Training and Development of Employees	4	3	3
		TOTAL					30	25
III	CC	U8BA3001	Core	CC05	Financial Accounting	5	5	3
	CC	U8BA3002	Core	CC06	Production Management	4	3	3
	CC	U8BA3003	Core	CC07	Strategic Management	5	4	3
	CC	U8BANM31	Non-Major	CC08	E-Business	4	3	3
	EC	U8BAAL31	Allied	EC09	Allied-Operations Research	4	4	3
	EC	U8BAAL32	Allied	EC10	Allied-Managerial Economics	4	4	3
	AEC	U8BASB31	Skill Based	AEC3	Total Quality Management	4	2	3
		TOTAL					30	25
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III]								

Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs
IV	CC	U8BA4001	Core	CC09	Management Accounting	5	5	3
	CC	U8BA4002	Core	CC10	Materials Management	4	3	3
	CC	U8BA4003	Core	CC11	Business Environment	5	4	3
	CC	U8BANM41	Non-Major	CC12	Consumer Behaviour	4	3	3
	EC	U8BAAL41	Allied	EC11	Allied-Organizational Behaviour	4	4	3
	EC	U8BAAL42	Allied	EC12	Allied-Financial Management	4	4	3
	AEC	U8BASB41	Skill Based (Practical)	AEC4	Tally -Practical	4	2	3
		TOTAL				30	25	-
V	CC	U8BA5001	Core	CC13	Human Resource Management	5	5	3
	CC	U8BA5002	Core	CC14	Business Law	5	5	3
	CC	U8BA5003	Core	CC15	Cost Accounting	5	5	3
	CC	U8BA5004	Core	CC16	Entrepreneurial Development	5	5	3
	CC	U8BA5005	Core	CC17	Marketing Management	4	2	3
	CC	U8BA5006	Core	CC18	Retail Management	4	2	3
	AEC	U8BASB51	Skill Based	AEC5	Export Management	2	1	3
		TOTAL				30	25	-
VI	CC	U8BA6001	Core	CC19	Industrial Relations	5	5	3
	CC	U8BA6002	Core	CC20	Advertising & Salesmanship	5	5	3
	CC	U8BAPJ61	Core	CC21	Group Project	5	5	3
	CC	U8BA6003	Core	CC22	Marketing Research	5	5	3
	CC	U8BA6004	Core	CC23	Computer Application in Business	4	2	3
	CC	U8BA6005	Core	CC24	Company Law	4	2	3
	AEC	U8BASBP6	Skill Based (Practical)	AEC6	MS Office -Practical	2	1	3
		TOTAL				30	25	-
		GRAND TOTAL				180	150	

B.Com. COMMERCE								
Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs
I	EC	U8FUR101/ U8FAR101/ U8FHD101/ U8FTA101	Language	EC01	Urdu Paper I/Arabic Paper I/ Hindi Paper I/ Tamil Paper I	6	5	3
	EC	U8FEN101	Language	EC02	English Paper I	4	4	3
	AEC	U8VED101	Value EDU*	AEC1	Value Education*	2	1	3
	CC	U8CO1001	Core	CC01	Financial Accounting I	5	5	3
	CC	U8CO1002	Core	CC02	Business Organisation	4	3	3
	CC	U8COAL11	Allied	CC03	Allied-Business Communication	5	4	3
	EC	U8COAL12	Allied	EC03	Allied-Business Economics I	4	3	3
		TOTAL					30	25
II	EC	U8FUR201/ U8FAR201/ U8FHD201/ U8FTA201	Language	EC04	Urdu Paper II/Arabic Paper II/Hindi Paper II/ Tamil Paper II	6	5	3
	EC	U8FEN201	Language	EC05	English Paper II	6	5	3
	AEC	U8ENV201	ENV Studies	AEC2	Environmental Studies	2	1	3
	CC	U8CO2001	Core	CC04	Financial Accounting II	4	4	3
	CC	U8CO2002	Core	CC05	Business Management	4	3	3
	CC	U8COAP21	Allied (Practical)	CC06	Allied Practical-Business Computer Applications	4	4	3
	EC	U8COAL22	Allied	EC06	Allied-Business Economics II	4	3	3
		TOTAL					30	25
III	CC	U8CO3001	Core	CC07	Corporate Accounting I	5	5	3
	CC	U8CO3002	Core	CC08	Principles of Marketing	4	4	3
	CC	U8CO3003	Core	CC09	Modern Banking	4	4	3
	EC	U8CONM31	Non-Major	EC07	Business Regulatory Framework	4	3	3
	EC	U8COAL31	Allied	EC08	Allied-Business Statistics I	5	4	3
	EC	U8COAL32	Allied	EC09	Allied-Elements of Insurance	4	3	3
	AEC	U8COSB31	Skill Based (Practical)	AEC3	Introduction to Tally-Practical	4	2	3
		TOTAL					30	25
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III]								

Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs
IV	CC	U8CO4001	Core	CC10	Corporate Accounting II	5	5	3
	CC	U8CO4002	Core	CC11	Modern Marketing	4	4	3
	CC	U8CO4003	Core	CC12	Company Law	4	4	3
	EC	U8CONM41	Non-Major	EC10	Business Environment	4	3	3
	EC	U8COAL41	Allied	EC11	Allied-Business Statistics II	5	4	3
	EC	U8COAL42	Allied	EC12	Allied-Goods and Services Tax	4	3	3
	AEC	U8COSB41	Skill Based (Practical)	AEC4	Tally Accounting-Practical	4	2	3
		TOTAL				30	25	-
V	CC	U8CO5001	Core	CC13	Cost Accounting I	5	5	3
	CC	U8CO5002	Core	CC14	Management Accounting I	5	5	3
	CC	U8CO5003	Core	CC15	Income Tax law & Practice I	5	5	3
	CC	U8CO5004	Core	CC16	Auditing	5	5	3
	CC	U8CO5005	Core	CC17	Human Resource Management	4	2	3
	CC	U8CO5006	Core	CC18	Service Marketing	4	2	3
	AEC	U8COSB51	Skill Based	AEC5	E - Commerce	2	1	3
		TOTAL				30	25	-
VI	CC	U8CO6001	Core	CC19	Cost Accounting II	5	5	3
	CC	U8CO6002	Core	CC20	Management Accounting II	5	5	3
	CC	U8CO6003	Core	CC21	Income Tax Law & Practice II	5	5	3
	CC	U8CO6004	Core	CC22	Financial Management	5	5	3
	CC	U8CO6005	Core	CC23	Entrepreneurial Development	4	2	3
	CC	U8CO6006	Core	CC24	Industrial Legislations	4	2	3
	AEC	U8COSBP6	Skill based (Practical)	AEC6	Practical - Commerce Practical	2	1	3
		TOTAL				30	25	-
		GRAND TOTAL				180	150	

B.Com. [FINANCE &ACCOUNTS]								
Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs
I	EC	U8FUR101/ U8FAR101/ U8FHD101/ U8FTA101	Language	EC01	Urdu Paper I/Arabic Paper I/ Hindi Paper I/ Tamil Paper I	6	5	3
	EC	U8FEN101	Language	EC02	English Paper I	4	4	3
	AEC	U8VED101	Value EDU*	AEC1	Value Education*	2	1	3
	CC	U8FA1001	Core	CC01	Financial Accounting I	5	5	3
	CC	U8FA1002	Core	CC02	Industrial Law	4	3	3
	EC	U8FAAL11	Allied	EC03	Allied-Business Communication	5	4	3
	EC	U8FAAL12	Allied	EC04	Allied-Indian Economy	4	3	3
		TOTAL					30	25
II	EC	U8FUR201/ U8FAR201/ U8FHD201/ U8FTA201	Language	EC05	Urdu Paper II/Arabic Paper II/ Hindi Paper II/ Tamil Paper II	6	5	3
	EC	U8FEN201	Language	EC06	English Paper II	6	5	3
	AEC	U8ENV201	ENV Studies	AEC2	Environmental Studies	2	1	3
	CC	U8FA2001	Core	CC03	Financial Accounting II	4	4	3
	CC	U8FA2002	Core	CC04	Financial Markets	4	3	3
	EC	U8FAAL21	Allied	EC07	Allied-Business Law	4	4	3
	EC	U8FAAL22	Allied	EC08	Allied-Goods & Service Taxes	4	3	3
		TOTAL					30	25
III	CC	U8FA3001	Core	CC05	Corporate Accounting I	5	5	3
	CC	U8FA3002	Core	CC06	Business Management	4	3	3
	CC	U8FA3003	Core	CC07	Business Economics I	4	4	3
	CC	U8FANM31	Non Major	CC08	Modern Banking	4	4	3
	EC	U8FAAL31	Allied	EC09	Allied-Business Statistics I	5	4	3
	EC	U8FAAL32	Allied	EC10	Allied-Elements of Insurance	4	3	3
	AEC	U8FASB31	Skill Based	AEC3	E– Commerce	4	2	3
		TOTAL					30	25
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III]								

Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs
IV	CC	U8FA4001	Core	CC09	Corporate Accounting II	5	5	3
	CC	U8FA4002	Core	CC10	Banking Law & Practice	4	3	3
	CC	U8FA4003	Core	CC11	Business Economics II	4	4	3
	CC	U8FANM41	Non Major	CC12	Entrepreneurial Development	4	4	3
	EC	U8FAAL41	Allied	EC11	Allied-Business Statistics II	5	4	3
	EC	U8FAAL42	Allied	EC12	Allied-Islamic Economics	4	3	3
	AEC	U8FASB41	Skill Based	AEC4	Investment Management	4	2	3
		TOTAL				30	25	-
V	CC	U8FA5001	Core	CC13	Income Tax Law & Practical I	5	5	3
	CC	U8FA5002	Core	CC14	Cost Accounting I	5	5	3
	CC	U8FA5003	Core	CC15	Management Accounting	5	5	3
	CC	U8FA5004	Core	CC16	Human Resource Management	5	5	3
	CC	U8FA5005	Core	CC17	Marketing Management	4	2	3
	CC	U8FA5006	Core	CC18	Business Environment	4	2	3
	AEC	U8FASB51	Skill Based	AEC5	Fundamentals of Islamic Finance	2	1	3
		TOTAL				30	25	-
VI	CC	U8FA6001	Core	CC19	Income Tax Law & Practice II	5	5	3
	CC	U8FA6002	Core	CC20	Cost Accounting II	5	5	3
	CC	U8FA6003	Core	CC21	Financial Management	5	5	3
	CC	U8FAPR61	Core	CC22	Tally & Computer Applications (Lab)	5	5	3
	CC	U8FA6004	Core	CC23	Practical Auditing	4	2	3
	CC	U8FA6005	Core	CC24	Company Law	4	2	3
	AEC	U8FASB61	Skill Based	AEC6	Islamic Banking Products & Services	2	1	3
		TOTAL				30	25	-
		GRAND TOTAL				180	150	

B.Com. [COMPUTER APPLICATIONS]								
Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs
I	EC	U8FUR101/ U8FAR101/ U8FHD101/ U8FTA101	Language	EC01	Urdu Paper I/Arabic Paper I/Hindi Paper I/ Tamil Paper I	6	5	3
	EC	U8FEN101	Language	EC02	English I	4	4	3
	AEC	U8VED101	Value EDU*	AEC1	Value Education*	2	1	3
	CC	U8CA1001	Core	CC01	Fundamentals of Accounting I	5	5	3
	CC	U8CA1002	Core	CC02	Principles of Management	4	3	3
	EC	U8CAAL11	Allied	EC03	Allied-Introduction to Information Technology	7	6	3
	EC	U8CAAP11	Allied	EC04	Allied Practical – Computer Applications in Business	2	1	3
		TOTAL					30	25
II	EC	U8FUR201/ U8FAR201/ U8FHD201/ U8FTA201	Language	EC05	Urdu Paper II/Arabic Paper II/Hindi Paper II/ Tamil Paper II	6	5	3
	EC	U8FEN201	Language	EC06	English Paper II	6	5	3
	AEC	U8ENV201	ENV Studies	AEC2	Environmental Studies	2	1	3
	CC	U8CA2001	Core	CC03	Fundamentals of Accounting II	4	4	3
	CC	U8CA2002	Core	CC04	Managerial Economics	4	3	3
	EC	U8CAAL21	Allied	EC07	Allied-Tally (Theory)	6	6	3
	EC	U8CAAP21	Allied	EC08	Allied Practical-Tally	2	1	3
		TOTAL					30	25
III	CC	U8CA3001	Core	CC05	Advanced Accounting I	5	5	3
	CC	U8CA3002	Core	CC06	Commercial Law	4	4	3
	CC	U8CA3003	Core	CC07	Statistics I	4	4	3
	CC	U8CANM31	Non-Major	CC08	Principles of Insurance	4	2	3
	EC	U8CAAL31	Allied	EC09	Allied-Management Information System	5	4	3
	EC	U8CAAP31	Allied	EC10	Allied Practical-Database Management System – Practical SQL and PL/SQL	4	3	3
	AEC	U8CASB31	Skill Based	AEC3	Business Communication	4	3	3
		TOTAL					30	25
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III]								



Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs.
IV	CC	U8CA4001	Core	CC09	Advanced Accounting II	5	5	3
	CC	U8CA4002	Core	CC10	Company Law	4	4	3
	CC	U8CA4003	Core	CC11	Statistics II	4	4	3
	CC	U8CANM41	Non-Major	CC12	Consumer Welfare	4	3	3
	EC	U8CAAL41	Allied	EC11	Allied- Enterprise Resource Planning	5	4	3
	EC	U8CAAP41	Allied	EC12	Allied Practical-Visual Basic Programming	4	3	3
	AEC	U8CASB41	Skill Based	AEC4	Principles of Marketing	4	2	3
		TOTAL				30	25	-
V	CC	U8CA5001	Core	CC13	Cost Accounting	5	5	3
	CC	U8CA5002	Core	CC14	Income Tax Law & Practice I	5	5	3
	CC	U8CA5003	Core	CC15	Practical Auditing	5	5	3
	CC	U8CA5004	Core	CC16	Entrepreneurial Development	5	5	3
	CC	U8CA5005	Core	CC17	Computer Application in Finance - Theory	4	2	3
	CC	U8CAPR51	Core Practical	CC18	Web Technology - Practical	4	2	3
	AEC	U8CASB51	Skill Based	AEC5	Quantitative Aptitude & Reasoning	2	1	3
		TOTAL				30	25	-
VI	CC	U8CA6001	Core	CC19	Accounting for Decision Making	5	5	3
	CC	U8CA6002	Core	CC20	Income Tax Law & Practice II	5	5	3
	CC	U8CA6003	Core	CC21	Banking Law & Practice	5	5	3
	CC	U8CA6004	Core	CC22	Multimedia Theory & Practice	4	2	3
	CC	U8CA6005	Core	CC23	Human Resource Management	4	2	3
	CC	U8CAPJ61	Project	CC24	Institutional Training	5	5	3
	AEC	U8CASB61	Skill Based	AEC6	E-Commerce & Its Applications	2	1	3
		TOTAL				30	25	-
		GRAND TOTAL				180	150	

B.Sc. MATHEMATICS								
Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs
I	EC	U8FUR101/ U8FAR101/ U8FHD101/ U8FTA101	Language	EC01	Urdu Paper I/Arabic Paper I/ Hindi Paper I/ Tamil Paper I	6	5	3
	EC	U8FEN101	Language	EC02	English Paper I	4	4	3
	AEC	U8VED101	Value EDU*	AEC1	Value Education*	2	1	3
	CC	U8MS1001	Core	CC01	Algebra and Trigonometry	7	7	3
	CC	U8MSPR11	Core Practical	CC02	Practical I- Computational Laboratory I	2	1	3
	CC	U8MSAL11	Allied	CC03	Allied-Numerical Methods I	7	6	3
	EC	U8MSAP11	Allied (Practical)	EC03	Allied Practical-Problem Solving Techniques I	2	1	3
		TOTAL					30	25
II	EC	U8FUR201/ U8FAR201/ U8FHD201/ U8FTA201	Language	EC04	Urdu Paper II/Arabic Paper II/Hindi Paper II/ Tamil Paper II	6	5	3
	EC	U8FEN201	Language	EC05	English Paper II	6	5	3
	AEC	U8ENV201	ENV Studies	AEC2	Environmental Studies	2	1	3
	CC	U8MS2001	Core	CC04	Calculus & Solid Geometry	6	6	3
	CC	U8MSPR21	Core Practical	CC05	Practical II- Computational Laboratory II	2	1	3
	CC	U8MSAL21	Allied	CC06	Allied-Numerical Methods II	6	6	3
	EC	U8MSAP21	Allied (Practical)	EC06	Allied Practical-Problem Solving Techniques II	2	1	3
		TOTAL					30	25
III	EC	U8FUR301/ U8FAR301/ U8FHD301/ U8FTA301	Language	EC07	Urdu Paper III /Arabic Paper III/ Hindi Paper III/ Tamil Paper III	4	4	3
	EC	U8URNM31/ U8ARNM31/ U8HDNM31/ U8TANM31	Non-Major	EC08	Basic Urdu I/ Basic Arabic I/ Basic Hindi I/Ariviyal Tamil I	2	1	3
	EC	U8FEN301	Language	EC09	English Paper III	6	5	3
	CC	U8MS3001	Core	CC07	Differential Equations	5	5	3
	CC	U8MS3002	Core	CC08	Vector Analysis & Fourier Series	4	3	3
	CC	U8MSAL31	Allied	CC09	Allied-Mathematical Statistics I	7	6	3
	AEC	U8MSAP31	Allied (Practical)	AEC3	Allied Practical -Mathematical Statistics I	2	1	3
		TOTAL					30	25
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III]								

Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs.
IV	EC	U8FUR401/ U8FAR401/ U8FHD401/ U8FTA401	Language	EC10	Urdu Paper IV /Arabic Paper IV /Hindi Paper IV/ Tamil Paper IV	4	4	3
	EC	U8URNM41/ U8ARNM41/ U8HDNM41/ U8TANM41	Non Major	EC11	Basic Urdu II/ Basic Arabic II/ Basic Hindi II/Ariviyal Tamil II	2	1	3
	EC	U8FEN401	Language	EC12	English Paper IV	6	5	3
	CC	U8MS4001	Core	CC10	Special Transforms I	5	5	3
	CC	U8MS4002	Core	CC11	Special Transforms II	4	3	3
	CC	U8MSAL41	Allied	CC12	Allied-Mathematical Statistics II	7	6	3
	AEC	U8MSAP41	Allied (Practical)	AEC4	Allied Practical -Mathematical Statistics II	2	1	3
		TOTAL					30	25
V	CC	U8MS5001	Core	CC13	Modern Algebra I	5	4	3
	CC	U8MS5002	Core	CC14	Real Analysis I	5	4	3
	CC	U8MS5003	Core	CC15	Complex Analysis I	5	4	3
	CC	U8MS5004	Core	CC16	Statics	5	4	3
	EC	U8MS5005	Core	CC17	Operations Research I	4	4	3
	CC	U8MS5006	Elective	CC18	Graph Theory	4	4	2
	EC	U8MSSB51	Skill Based	AEC5	Financial Mathematics	2	1	3
		TOTAL					30	25
VI	CC	U8MS6001	Core	CC19	Modern Algebra II	5	4	3
	CC	U8MS6002	Core	CC20	Real Analysis II	5	4	3
	CC	U8MS6003	Core	CC21	Complex Analysis II	5	4	3
	CC	U8MS6004	Core	CC22	Dynamics	5	4	3
	CC	U8MS6005	Core	CC23	Operations Research II	4	4	3
	CC	U8MSPR61	Elective Practical	CC24	Latex Lab	4	4	2
	CC	U8MSSB61	Skill Based	AEC6	Mathematics for Competitive Examinations	2	1	3
		TOTAL					30	25
	GRAND TOTAL					180	150	

B.Sc. PHYSICS								
Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs
I	EC	U8FUR101/ U8FAR101/ U8FHD101/ U8FTA101	Language	EC01	Urdu Paper I/Arabic Paper I/Hindi Paper I/ Tamil Paper I	6	5	3
	EC	U8FEN101	Language	EC02	English Paper I	4	4	3
	AEC	U8VED101	Value EDU*	AEC1	Value Education*	2	1	3
	CC	U8PY1001	Core	CC01	Properties of Matter and Acoustics	5	5	3
	CC	U8PYPR11	Core Practical	CC02	General Physics Practical I	4	3	3
	CC	U8PYAL11	Allied	CC03	Allied Chemistry I	7	6	3
	EC	U8PYAP11	Allied (Practical)	EC03	Allied Chemistry Practical I	2	1	3
TOTAL						30	25	
II	EC	U8FUR201/ U8FAR201/ U8FHD201/ U8FTA201	Language	EC04	Urdu Paper II/Arabic Paper II/Hindi Paper II/ Tamil Paper II	6	5	3
	EC	U8FEN201	Language	EC05	English Paper II	6	5	3
	AEC	U8ENV201	ENV Studies	AEC2	Environmental Studies	2	1	3
	CC	U8PY2001	Core	CC04	Thermal Physics	4	4	3
	CC	U8PYPR21	Core Practical	CC05	General Physics Practical II	4	3	3
	CC	U8PYAL21	Allied	CC06	Allied Chemistry II	6	6	3
	EC	U8PYAP21	Allied (Practical)	EC06	Allied Chemistry Practical II	2	1	3
TOTAL						30	25	-
III	EC	U8FUR301/ U8FAR301/ U8FHD301/ U8FTA301	Language	EC07	Urdu Paper III/Arabic Paper III/Hindi Paper III/ Tamil Paper III	4	4	3
	EC	U8URNM31/ U8ARNM31/ U8HDNM31/ U8TANM31	Non-Major	EC08	Basic Urdu-I/ Basic Arabic I/ Basic Hindi I/Ariviyal Tamil I	2	1	3
	EC	U8FEN301	Language	EC09	English Paper III	6	5	3
	CC	U8PY3001	Core	CC07	Classical Mechanics and Relativity	5	5	3
	CC	U8PYPR31	Core Practical	CC08	General Physics Practical III	4	3	3
	CC	U8PYAL31	Allied	CC09	Allied Mathematics I	7	6	3
	AEC	U8PYAP31	Allied (Practical)	AEC3	Allied - Mathematical Statistics Practical I	2	1	3
TOTAL						30	25	-
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III]								

Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs.	
IV	EC	U8FUR401/ U8FAR401/ U8FHD401/ U8FTA401	Language	EC10	Urdu Paper IV /Arabic Paper IV /Hindi Paper IV/ Tamil Paper IV	4	4	3	
	EC	U8URNM41/ U8ARNM41/ U8HDNM41/ U8TANM41	Non-Major	EC11	Basic Urdu-II/ Basic Arabic II/ Basic Hindi II/ Ariviyal Tamil II	2	1	3	
	EC	U8FEN401	Language	EC12	English Paper IV	6	5	3	
	CC	U8PY4001	Core	CC10	Optics	5	5	3	
	CC	U8PYPR41	Core Practical	CC11	General Physics Practical IV	4	3	3	
	CC	U8PYAL41	Allied	CC12	Allied Mathematics II	7	6	3	
	AEC	U8PYAP41	Allied (Practical)	AEC4	Allied - Mathematical Statistics Practical II	2	1	3	
		TOTAL					30	25	-
V	CC	U8PY5001	Core	CC13	Electricity and Electromagnetism	5	5	3	
	CC	U8PY5002	Core	CC14	Atomic Physics	5	5	3	
	CC	U8PY5003	Core	CC15	Applied Electronics	5	5	3	
	CC	U8PY5004	Core	CC16	Digital Electronics	5	5	3	
	CC	U8PYPR51	Core Practical	CC17	Main Physics Practical V	4	2	3	
	CC	U8PYPR52	Core Practical	CC18	Practical VI-Electronics Experiments I	4	2	3	
	AEC	U8PYSB51	Skill Based	AEC5	Maintenance and Servicing of Home Appliances	2	1	3	
		TOTAL					30	25	-
VI	CC	U8PY6001	Core	CC19	Nuclear and Particle Physics	5	5	3	
	CC	U8PY6002	Core	CC20	Wave Mechanics and Special functions	5	5	3	
	CC	U8PY6003	Core	CC21	Numerical methods and Fundamentals of “C”	5	5	3	
	CC	U8PY6004	Core	CC22	Microprocessor and its Application-8085	5	5	3	
	CC	U8PYPR61	Core Practical	CC23	Main Physics Practical VII	4	2	3	
	CC	U8PYPR62	Core Practical	CC24	Practical VIII - Electronics Experiments II	4	2	3	
	AEC	U8PYSB61	Skill Based	AEC6	Television Maintenance & Troubleshooting	2	1	3	
		TOTAL					30	25	-
		GRAND TOTAL					180	150	

B.Sc. CHEMISTRY								
Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs.
I	EC	U8FUR101/ U8FAR101/ U8FHD101/ U8FTA101	Language	EC01	Urdu Paper I/Arabic Paper I/ Hindi Paper I/ Tamil Paper I	6	5	3
	EC	U8FEN101	Language	EC02	English Paper I	4	4	3
	AEC	U8VED101	Value EDU*	AEC1	Value Education	2	1	3
	CC	U8CH1001	Core	CC01	General Chemistry I	7	7	3
	CC	U8CHPR11	Core Practical	CC02	Practical I- Inorganic Qualitative Analysis I & Complex Preparation	2	1	3
	CC	U8CHAL11	Allied	CC03	Allied Physics I	7	6	3
	EC	U8CHAP11	Allied (Practical)	EC03	Allied Physics Practical I	2	1	3
		TOTAL					30	25
II	EC	U8FUR201/ U8FAR201/ U8FHD201/ U8FTA201	Language	EC04	Urdu Paper II/Arabic Paper II/Hindi Paper II/ Tamil Paper II	6	5	3
	EC	U8FEN201	Language	EC05	English Paper II	6	5	3
	AEC	U8ENV201	ENV Studies*	AEC2	Environmental Studies	2	1	3
	CC	U8CH2001	Core	CC04	General Chemistry II	6	6	3
	CC	U8CHPR21	Core Practical	CC05	Practical II- Qualitative Analysis of Inorganic Salt Mixture	2	1	3
	CC	U8CHAL21	Allied	CC06	Allied Physics II	6	6	3
	EC	U8CHAP21	Allied (Practical)	EC06	Allied Physics Practical II	2	1	3
		TOTAL					30	25
III	EC	U8FUR301/ U8FAR301/ U8FHD301/ U8FTA301	Language	EC07	Urdu Paper III/Arabic Paper III/ Hindi Paper III/ Tamil Paper III	4	4	3
	EC	U8URNM31/ U8ARNM31/ U8HDNM31/ U8TANM31	Non-Major	EC08	Basic Urdu-I/ Basic Arabic I/ Basic Hindi I/Ariviyal Tamil I	2	1	3
	EC	U8FEN301	Language	EC09	English Paper III	6	5	3
	CC	U8CH3001	Core	CC07	General Chemistry III	7	7	3
	CC	U8CHPR31	Core Practical	CC08	Practical III: Volumetric Estimation I	2	1	3
	CC	U8CHAL31/ U8CHAL32	Allied	CC09	[To Choose 1 out of 2] 1. Allied Mathematics I 2. Allied- Applied Biology I	7	6	3
	AEC	U8CHAP31/ U8CHAP32	Allied (Practical)	AEC3	Allied - Mathematical Statistics Practical I / Allied- Applied Biology Practical I	2	1	3
		TOTAL					30	25
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III]								

Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs	
IV	EC	U8FUR401/ U8FAR401/ U8FHD401/ U8FTA401	Language	EC10	Urdu Paper IV /Arabic Paper IV /Hindi Paper IV/ Tamil Paper IV	4	4	3	
	EC	U8URNM41/ U8ARNM41/ U8HDNM41/ U8TANM41	Non-Major	EC11	Basic Urdu-II/ Basic Arabic II/ Basic Hindi II/ Ariviyal Tamil II	2	1	3	
	EC	U8FEN401	Language	EC12	English Paper IV	6	5	3	
	CC	U8CH4001	Core	CC10	General Chemistry IV	5	5	3	
	CC	U8CHPR41	Core Practical	CC11	Practical IV - Volumetric Estimation II	4	3	3	
	CC	U8CHAL41/ U8CHAL42	Allied	CC12	[To Choose 1 out of 2] 1. Allied Mathematics II/ 2. Allied-Applied Biology II	7	6	3	
	AEC	U8CHAP41/ U8CHAP42	Allied (Practical)	AEC4	1. Allied - Mathematical Statistics Practical II / 2. Allied-Applied Biology Practical II	2	1	3	
		TOTAL					30	25	-
V	CC	U8CH5001	Core	CC13	Inorganic Chemistry I	5	5	3	
	CC	U8CH5002	Core	CC14	Organic Chemistry I	5	5	3	
	CC	U8CH5003	Core	CC15	Physical Chemistry I	5	5	3	
	CC	U8CH5004	Core	CC16	Applied Chemistry I	5	5	3	
	CC	U8CHPR51	Core Practical	CC17	Practical V- Gravimetric Estimation I	4	2	3	
	CC	U8CHPR52	Core Practical	CC18	Practical VI- Physical Chemistry Practical I	4	2	3	
	AEC	U8CHSBP5	Skill Based (Practical)	AEC5	Practical VII- Organic Chemistry Practical I	2	1	3	
		TOTAL					30	25	-
VI	CC	U8CH6001	Core	CC19	Inorganic Chemistry II	5	5	3	
	CC	U8CH6002	Core	CC20	Organic Chemistry II	5	5	3	
	CC	U8CH6003	Core	CC21	Physical Chemistry II	5	5	3	
	CC	U8CH6004	Core	CC22	Applied Chemistry II	5	5	3	
	CC	U8CHPR61	Core Practical	CC23	Practical VIII- Gravimetric Estimation II	4	2	3	
	CC	U8CHPR62	Core Practical	CC24	Practical IX- Physical Chemistry Practical II	4	2	3	
	AEC	U8CHSBP6	Skill Based (Practical)	AEC6	Practical X- Organic Chemistry Practical II	2	1	3	
		TOTAL					30	25	-
		GRAND TOTAL					180	150	

B.Sc. BIOCHIMISTRY								
Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs.
I	EC	U8FUR101/ U8FAR101/ U8FHD101/ U8FTA101	Language	EC01	Urdu Paper I/Arabic Paper I/ Hindi Paper I/ Tamil Paper I	6	5	3
	EC	U8FEN101	Language	EC02	English Paper I	4	4	3
	AEC	U8VED101	Value EDU*	AEC1	Value Education*	2	1	3
	CC	U8BI1001	Core	CC01	Bio-organic chemistry	7	7	3
	CC	U8BIPR11	Core Practical	CC02	Practical I- Quantitative & Qualitative Analysis I	2	1	3
	CC	U8BIAL11	Allied	CC03	Allied Chemistry I	7	6	3
	EC	U8BIAP11	Allied (Practical)	EC03	Allied Chemistry Practical I	2	1	3
TOTAL						30	25	-
II	EC	U8FUR201/ U8FAR201/ U8FHD201/ U8FTA201	Language	EC04	Urdu Paper II/Arabic Paper II/Hindi Paper II/ Tamil Paper II	6	5	3
	EC	U8FEN201	Language	EC05	English Paper II	6	5	3
	AEC	U8ENV201	ENV Studies	AEC2	Environmental Studies	2	1	3
	CC	U8BI2001	Core	CC04	Cell Biology	6	6	3
	CC	U8BIPR21	Core Practical	CC05	Practical II- Quantitative & Qualitative Analysis II	2	1	3
	CC	U8BIAL21	Allied	CC06	Allied Chemistry II	6	6	3
	EC	U8BIAP21	Allied (Practical)	EC06	Allied Chemistry Practical II	2	1	3
TOTAL						30	25	-
III	EC	U8FUR301/ U8FAR301/ U8FHD301/ U8FTA301	Language	EC07	Urdu Paper III/Arabic Paper III/Hindi Paper III/ Tamil Paper III	4	4	3
	EC	U8URNM31/ U8ARNM31/ U8HDNM31/ U8TANM31	Non-Major	EC08	Basic Urdu-I/ Basic Arabic I/ Basic Hindi I/Ariviyal Tamil I	2	1	3
	EC	U8FEN301	Language	EC09	English Paper III	6	5	3
	CC	U8BI3001	Core	CC07	Analytical Biochemistry	7	7	3
	CC	U8BIPR31	Core Practical	CC08	Practical III - Volumetric Analysis & Biological Preparation	2	1	3
	CC	U8BIAL32	Allied	CC09	Allied-Applied Biology I	7	6	3
	AEC	U8BIAP32	Allied (Practical)	AEC3	Allied- Applied Biology Practical I	2	1	3
TOTAL						30	25	-
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III]								



Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs	
IV	EC	U8FUR401/ U8FAR401/ U8FHD401/ U8FTA401	Language	EC10	Urdu Paper IV /Arabic Paper IV /Hindi Paper IV/ Tamil Paper IV	4	4	3	
	EC	U8URNM41/ U8ARNM41/ U8HDNM41/ U8TANM41	Non-Major	EC11	Basic Urdu-II/ Basic Arabic II/ Basic Hindi II/ Ariviyal Tamil II	2	1	3	
	EC	U8FEN401	Language	EC12	English Paper IV	6	5	3	
	CC	U8BI4001	Core	CC10	Analytical Biochemistry & Bioinformatics	7	7	3	
	CC	U8BIPR41	Core Practical	CC11	Practical IV- Colorimetric Techniques & Preparation of Buffers	2	1	3	
	CC	U8BIAL42	Allied	CC12	Allied-Applied Biology II	7	6	3	
	AEC	U8BIAP42	Allied (Practical)	AEC4	Allied-Applied Biology Practical II	2	1	3	
		TOTAL					30	25	-
V	CC	U8BI5001	Core	CC13	Enzymes	5	5	3	
	CC	U8BI5002	Core	CC14	Genetics and Molecular Biology	5	5	3	
	CC	U8BI5003	Core	CC15	Human Anatomy and Physiology	5	5	3	
	CC	U8BI5004	Core	CC16	Medical Laboratory Technology	5	5	3	
	CC	U8BIPR51	Core Practical	CC17	Practical V- Colorimetric Analysis and Electrophoresis	4	2	6	
	CC	U8BIPR52	Core Practical	CC18	Medical Laboratory Technology Practical I	4	2	6	
	AEC	U8BISB51	Skill Based	AEC5	Biotechnology I	2	1	3	
		TOTAL					30	25	-
VI	EC	U8BI6001	Core	CC19	Metabolism	5	5	3	
	EC	U8BI6002	Core	CC20	Clinical Biochemistry	5	5	3	
	EC	U8BI6003	Core	CC21	Immunology	5	5	3	
	CC	U8BI6004	Core	CC22	Nutritional Biochemistry & Dietetics	5	5	3	
	CC	U8BIPR61	Core Practical	CC23	Practical VII- Enzymology and Chromatography	4	2	6	
	CC	U8BIPR62	Core Practical	CC24	Medical Laboratory Technology practical II	4	2	6	
	AEC	U8BISB61	Skill Based	AEC6	Biotechnology II	2	1	3	
		TOTAL					30	25	-
		GRAND TOTAL					180	150	

B.Sc. BIOTECHNOLOGY								
Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs
I	EC	U8FUR101/ U8FAR101/ U8FHD101/ U8FTA101	Language	EC01	Urdu Paper I/Arabic Paper I/ Hindi Paper I/ Tamil Paper I	6	5	3
	EC	U8FEN101	Language	EC02	English Paper I	4	4	3
	AEC	U8VED101	Value EDU*	AEC1	Value Education*	2	1	3
	CC	U8BT1001	Core	CC01	Molecular Biology& Genetics	7	7	3
	CC	U8BTPR11	Core Practical	CC02	Practical I- Molecular Biology& Genetics	2	1	3
	CC	U8BTAL11	Allied	CC03	Allied -Principle of Biochemistry	7	6	3
	EC	U8BTAP11	Allied (Practical)	EC03	Allied Practical -Principle of Biochemistry	2	1	3
TOTAL						30	25	-
II	EC	U8FUR201/ U8FAR201/ U8FHD201/ U8FTA201	Language	EC04	Urdu Paper II/Arabic Paper II/Hindi Paper II/ Tamil Paper II	6	5	3
	EC	U8FEN201	Language	EC05	English Paper II	6	5	3
	AEC	U8ENV201	ENV Studies	AEC2	Environmental Studies	2	1	3
	CC	U8BT2001	Core	CC04	Microbiology	6	6	3
	CC	U8BTPR21	Core Practical	CC05	Practical II- Microbiology	2	1	3
	CC	U8BTAL21	Allied	CC06	Allied Bio-Diversity	6	6	3
	EC	U8BTAP21	Allied (Practical)	EC06	Allied Practical- Bio-Diversity	2	1	3
TOTAL						30	25	-
III	EC	U8FUR301/ U8FAR301/ U8FHD301/ U8FTA301	Language	EC07	Urdu Paper III/Arabic Paper III/Hindi Paper III/ Tamil Paper III	4	4	3
	EC	U8URNM31/ U8ARNM31/ U8HDNM31/ U8TANM31	Non-Major	EC08	Basic Urdu-I/ Basic Arabic I/ Basic Hindi I/Ariviyal Tamil I	2	1	3
	EC	U8FEN301	Language	EC09	English Paper III	6	5	3
	CC	U8BT3001	Core	CC07	Immunology	7	7	3
	CC	U8BTPR31	Core Practical	CC08	Practical III -Immunology	2	1	3
	CC	U8BTAL31	Allied	CC09	Allied Biostatistics	7	6	3
	AEC	U8BTAP31	Allied (Practical)	AEC3	Allied Practical- Biostatistics	2	1	3
TOTAL						30	25	-
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III]								

Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs
IV	EC	U8FUR401/ U8FAR401/ U8FHD401/ U8FTA401	Language	EC10	Urdu Paper IV /Arabic Paper IV /Hindi Paper IV/ Tamil Paper IV	4	4	3
	EC	U8URNM41/ U8ARNM41/ U8HDNM41/ U8TANM41	Non-Major	EC11	Basic Urdu-II/ Basic Arabic II/ Basic Hindi II/Ariviyal Tamil II	2	1	3
	EC	U8FEN401	Language	EC12	English Paper IV	6	5	3
	CC	U8BT4001	Core	CC10	Bioinstrumentation	7	7	3
	CC	U8BTPR41	Core Practical	CC11	Practical IV- Bioinstrumentation	2	1	3
	CC	U8BTAL41	Allied	CC12	Allied Food processing Technology	7	6	3
	AEC	U8BTAP41	Allied (Practical)	AEC4	Allied Practical - Food Processing Technology	2	1	3
TOTAL						30	25	-
V	CC	U8BT5001	Core	CC13	Industrial Biotechnology	5	5	3
	CC	U8BT5002	Core	CC14	Medical Biotechnology	5	5	3
	CC	U8BT5003	Core	CC15	r-DNA Technology	5	5	3
	CC	U8BT5004	Core	CC16	Bioinformatics	5	5	3
	CC	U8BTPR51	Core Practical	CC17	Industrial &Medical Biotechnology Practical V	4	2	3
	CC	U8BTPR52	Core Practical	CC18	r-DNA & Bioinformatics Practical VI	4	2	3
	AEC	U8BT5B51	Skill Based	AEC5	Basic Endocrinology	2	1	3
TOTAL						30	25	-
VI	CC	U8BT6001	Core	CC19	Environmental Biotechnology	5	5	3
	CC	U8BT6002	Core	CC20	Aquaculture Biotechnology	5	5	3
	CC	U8BT6003	Core	CC21	Animal Biotechnology	5	5	3
	CC	U8BT6004	Core	CC22	Plant Biotechnology	5	5	3
	CC	U8BTPR61	Core Practical	CC23	Environmental &Aquaculture Biotechnology Practical VII	4	2	3
	CC	U8BTPR62	Core Practical	CC24	Plant &Animal Biotechnology Practical VIII	4	2	3
	AEC	U8BT5B61	Skill Based	AEC6	Nano Biotechnology	2	1	3
TOTAL						30	25	-
GRAND TOTAL						180	150	

B.Sc. COMPUTER SCIENCE								
Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs
I	EC	U8FUR101/ U8FAR101/ U8FHD101/ U8FTA101	Language	EC01	Urdu Paper I/Arabic Paper I/ Hindi Paper I/ Tamil Paper I	6	5	3
	EC	U8FEN101	Language	EC02	English Paper I	4	4	3
	AEC	U8VED101	Value EDU*	AEC1	Value Education*	2	1	3
	CC	U8CC1001	Core	CC01	Digital Logic Fundamentals	7	7	3
	CC	U8CCPR11	Core Practical	CC02	Practical I- Office Software Lab	2	1	3
	CC	U8CCAL11	Allied	CC03	Allied Mathematical Foundations I	7	6	3
	EC	U8CCAP11	Allied Practical	EC03	Allied Practical- Computational Mathematics Practical I	2	1	3
<b>TOTAL</b>						<b>30</b>	<b>25</b>	<b>-</b>
II	EC	U8FUR201/ U8FAR201/ U8FHD201/ U8FTA201	Language	EC04	Urdu Paper II/Arabic Paper II/Hindi Paper II/ Tamil Paper II	6	5	3
	EC	U8FEN201	Language	EC05	English Paper II	6	5	3
	AEC	U8ENV201	ENV Studies	AEC2	Environmental Studies	2	1	3
	CC	U8CC2001	Core	CC04	Programming in C	6	6	3
	CC	U8CCPR21	Core Practical	CC05	Practical II-Programming in C Lab.	2	1	3
	CC	U8CCAL21	Allied	CC06	Allied-Mathematical Foundations II	6	6	3
	EC	U8CCAP21	Allied Practical	EC06	Allied Practical- Computational Mathematics Practical II	2	1	3
<b>TOTAL</b>						<b>30</b>	<b>25</b>	<b>-</b>
III	EC	U8FUR301/ U8FAR301/ U8FHD301/ U8FTA301	Language	EC07	Urdu Paper III/Arabic Paper III/Hindi Paper III/ Tamil Paper III	4	4	3
	EC	U8URNM31/ U8ARNM31/ U8HDNM31/ U8TANM31	Non-Major	EC08	Basic Urdu-I/ Basic Arabic I/ Basic Hindi I/Ariviyal Tamil I	2	1	3
	EC	U8FEN301	Language	EC09	English Paper III	6	5	3
	CC	U8CC3001	Core	CC07	C++ & Data Structures	7	7	3
	CC	U8CCPR31	Core Practical	CC08	Practical III -Data Structures using C++ - Lab	2	1	3
	CC	U8CCAL31	Allied	CC09	Allied Financial Accounting I	7	6	3
	AEC	U8CCAP31	Allied Practical	AEC3	Allied Practical- Accounts I - Lab	2	1	3
<b>TOTAL</b>						<b>30</b>	<b>25</b>	<b>-</b>
<b>CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III]</b>								

Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs	
IV	EC	U8FUR401/ U8FAR401/ U8FHD401/ U8FTA401	Language	EC10	Urdu Paper IV /Arabic Paper IV /Hindi Paper IV/ Tamil Paper IV	4	4	3	
	EC	U8URNM41/ U8ARNM41/ U8HDNM41/ U8TANM41	Non-Major	EC11	Basic Urdu-II/ Basic Arabic II/ Basic Hindi II/Ariviyal Tamil II	2	1	3	
	EC	U8FEN401	Language	EC12	English Paper IV	6	5	3	
	CC	U8CC4001	Core	CC10	Programming in Java	7	7	3	
	CC	U8CCPR41	Core Practical	CC11	Practical IV- Programming in Java Lab	2	1	3	
	CC	U8CCAL41	Allied	CC12	Allied- Financial Accounting II	7	6	3	
	AEC	U8CCAP41	Allied (Practical)	AEC4	Allied Practical - Accounts II-Lab	2	1	3	
		TOTAL					30	25	-
V	CC	U8CC5001	Core	CC13	Design and Analysis of Algorithm	5	5	3	
	CC	U8CC5002	Core	CC14	Microprocessor and its Applications	5	5	3	
	CC	U8CC5003	Core	CC15	Computer Networks	5	5	3	
	CC	U8CC5004	Core	CC16	Software Engineering	5	5	3	
	CC	U8CCPR51	Core Practical	CC17	Microprocessor Lab	4	2	3	
	CC	U8CCPR52	Core Practical	CC18	Computer Networks Lab	4	2	3	
	AEC	U8CCSBP5	Skill Based Lab	AEC5	Mobile Application Development Lab	2	1	3	
		TOTAL					30	25	-
VI	CC	U8CC6001	Core	CC19	Computer Graphics and Multimedia	5	5	3	
	CC	U8CC6002	Core	CC20	Database Management System	5	5	3	
	CC	U8CC6003	Core	CC21	Operating Systems	5	5	3	
	CC	U8CC6004	Core	CC22	Open Source Programming	5	5	3	
	CC	U8CCPR61	Core Practical	CC23	Data Management System Lab	4	2	3	
	CC	U8CCPR62	Core Practical	CC24	Unix & Operating System Lab	4	2	3	
	AEC	U8CCSBP6	Skill Based Lab	AEC6	Open Source Programming Lab	2	1	3	
		TOTAL					30	25	-
		GRAND TOTAL					180	150	

B.Sc. SOFTWARE COMPUTER SCIENCE								
Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs
I	EC	U8FUR101/ U8FAR101/ U8FHD101/ U8FTA101	Language	EC01	Urdu Paper I/Arabic Paper I/ Hindi Paper I/ Tamil Paper I	6	5	3
	EC	U8FEN101	Language	EC02	English Paper I	4	4	3
	AEC	U8VED101	Value EDU*	AEC1	Value Education*	2	1	3
	CC	U8CC1001	Core	CC01	Digital Logic Fundamentals	7	7	3
	CC	U8CCPR11	Core Practical	CC02	Practical I- Office Software Lab	2	1	3
	CC	U8CCAL11	Allied	CC03	Allied Mathematical Foundations I	7	6	3
	EC	U8CCAP11	Allied (Practical)	EC03	Allied Practical- Computational Mathematics Practical I	2	1	3
<b>TOTAL</b>						<b>30</b>	<b>25</b>	<b>-</b>
II	EC	U8FUR201/ U8FAR201/ U8FHD201/ U8FTA201	Language	EC04	Urdu Paper II/Arabic Paper II/Hindi Paper II/ Tamil Paper II	6	5	3
	EC	U8FEN201	English	EC05	English Paper II	6	5	3
	AEC	U8ENV201	ENV Studies	AEC2	Environmental Studies	2	1	3
	CC	U8CC2001	Core	CC04	Programming in C	6	6	3
	CC	U8CCPR21	Core Practical	CC05	Practical II- Programming in C Lab.	2	1	3
	CC	U8CCAL21	Allied	CC06	Allied-Mathematical Foundations II	6	6	3
	EC	U8CCAP21	Allied (Practical)	EC06	Allied Practical- Computational Mathematics Practical II	2	1	3
<b>TOTAL</b>						<b>30</b>	<b>25</b>	<b>-</b>
III	EC	U8FUR301/ U8FAR301/ U8FHD301/ U8FTA301	Language	EC07	Urdu Paper III/Arabic Paper III/Hindi Paper III/ Tamil Paper III	4	4	3
	EC	U8URNM31/ U8ARNM31/ U8HDNM31/ U8TANM31	Non-Major	EC08	Basic Urdu-I/ Basic Arabic I/ Basic Hindi I/Ariviyal Tamil I	2	1	3
	EC	U8FEN301	Language	EC09	English Paper III	6	5	3
	CC	U8CC3001	Core	CC07	C++ & Data Structures	7	7	3
	CC	U8CCPR31	Core Practical	CC08	Practical III -Data Structures using C++ - Lab	2	1	3
	CC	U8CCAL31	Allied	CC09	Financial Accounting I	7	6	3
	AEC	U8CCAP31	Allied (Practical)	AEC3	Allied Practical- Accounts I- Lab	2	1	3
<b>TOTAL</b>						<b>30</b>	<b>25</b>	<b>-</b>
<b>CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III]</b>								

Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs
IV	EC	U8FUR401/ U8FAR401/ U8FHD401/ U8FTA401	Language	EC10	Urdu Paper IV /Arabic Paper IV /Hindi Paper IV/ Tamil Paper IV	4	4	3
	EC	U8URNM41/ U8ARNM41/ U8HDNM41/ U8TANM41	Non-Major	EC11	Basic Urdu-II/ Basic Arabic II/ Basic Hindi II/Ariviyal Tamil II	2	1	3
	EC	U8FEN401	Language	EC12	English Paper IV	6	5	3
	CC	U8CC4001	Core	CC10	Programming in Java	7	7	3
	CC	U8CCPR41	Core Practical	CC11	Practical IV- Programming in Java Lab	2	1	3
	CC	U8CCAL41	Allied	CC12	Financial Accounting II	7	6	3
	AEC	U8CCAP41	Allied (Practical)	AEC4	Allied Practical - Accounts II-Lab	2	1	3
<b>TOTAL</b>						<b>30</b>	<b>25</b>	<b>-</b>
V	CC	<b>U8CC5001</b>	<b>Core</b>	<b>CC13</b>	<b>Design and Analysis of Algorithm</b>	<b>5</b>	<b>5</b>	<b>3</b>
	CC	<b>U8CC5002</b>	<b>Core</b>	<b>CC14</b>	<b>Microprocessor and its Applications</b>	<b>5</b>	<b>5</b>	<b>3</b>
	CC	<b>U8CC5003</b>	<b>Core</b>	<b>CC15</b>	<b>Computer Networks</b>	<b>5</b>	<b>5</b>	<b>3</b>
	CC	<b>U8CC5004</b>	<b>Core</b>	<b>CC16</b>	<b>Software Engineering</b>	<b>5</b>	<b>5</b>	<b>3</b>
	CC	<b>U8CCPR51</b>	<b>Core Practical</b>	<b>CC17</b>	<b>Microprocessor Lab</b>	<b>4</b>	<b>2</b>	<b>3</b>
	CC	<b>U8CCPR52</b>	<b>Core Practical</b>	<b>CC18</b>	<b>Computer Networks Lab</b>	<b>4</b>	<b>2</b>	<b>3</b>
	AEC	<b>U8CCSBP5</b>	<b>Skill Based Lab</b>	<b>AEC5</b>	<b>Mobile Application Development Lab</b>	<b>2</b>	<b>1</b>	<b>3</b>
<b>TOTAL</b>						<b>30</b>	<b>25</b>	<b>-</b>
VI	CC	<b>U8SW6001</b>	<b>Core</b>	<b>CC19</b>	<b>Software Testing Techniques</b>	<b>5</b>	<b>5</b>	<b>3</b>
	CC	<b>U8CC6002</b>	<b>Core</b>	<b>CC20</b>	<b>Database Management System</b>	<b>5</b>	<b>5</b>	<b>3</b>
	CC	<b>U8CC6003</b>	<b>Core</b>	<b>CC21</b>	<b>Operating Systems</b>	<b>5</b>	<b>5</b>	<b>3</b>
	CC	<b>U8CC6004</b>	<b>Core</b>	<b>CC22</b>	<b>Open Source Programming</b>	<b>5</b>	<b>5</b>	<b>3</b>
	CC	<b>U8CCPR61</b>	<b>Core Practical</b>	<b>CC23</b>	<b>Data Management System Lab</b>	<b>4</b>	<b>2</b>	<b>3</b>
	CC	<b>U8CCPR62</b>	<b>Core Practical</b>	<b>CC24</b>	<b>Unix &amp; Operating System Lab</b>	<b>4</b>	<b>2</b>	<b>3</b>
	AEC	<b>U8CCSBP6</b>	<b>Skill Based Lab</b>	<b>AEC6</b>	<b>Open Source Programming Lab</b>	<b>2</b>	<b>1</b>	<b>3</b>
<b>TOTAL</b>						<b>30</b>	<b>25</b>	<b>-</b>
<b>GRAND TOTAL</b>						<b>180</b>	<b>150</b>	

B.C.A								
Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs
I	EC	U8FUR101/ U8FAR101/ U8FHD101/ U8FTA101	Language	EC01	Urdu Paper I/Arabic Paper I/Hindi Paper I/ Tamil Paper I	6	5	3
	EC	U8FEN101	Language	EC02	English Paper I	4	4	3
	AEC	U8VED101	Value EDU*	AEC1	Value Education*	2	1	3
	CC	U8CC1001	Core	CC01	Digital Logic Fundamentals	7	7	3
	CC	U8CCPR11	Core Practical	CC02	Practical I- Office Software Lab	2	1	3
	EC	U8CCAL11	Allied	CC03	Allied-Mathematical Foundations I	7	6	3
	EC	U8CCAP11	Allied Practical	EC03	Allied Practical- Computational Mathematics Practical I	2	1	3
<b>TOTAL</b>						<b>30</b>	<b>25</b>	<b>-</b>
II	EC	U8FUR201/ U8FAR201/ U8FHD201/ U8FTA201	Language	EC04	Urdu Paper II/Arabic Paper II/Hindi Paper II/ Tamil Paper II	6	5	3
	EC	U8FEN201	Language	EC05	English Paper II	6	5	3
	AEC	U8ENV201	ENV Studies	AEC2	Environmental Studies	2	1	3
	CC	U8CC2001	Core	CC04	Programming in C	6	6	3
	CC	U8CCPR21	Core Practical	CC05	Practical II- Programming in C Lab.	2	1	3
	EC	U8CCAL21	Allied	CC06	Allied-Mathematical Foundations II	6	6	3
	EC	U8CCAP21	Allied Practical	EC06	Allied Practical- Computational Mathematics Practical II	2	1	3
<b>TOTAL</b>						<b>30</b>	<b>25</b>	<b>-</b>
III	CC	U8CC3001	Core	CC07	C++ & Data Structures	5	5	3
	CC	U8BC3002	Core	EC07	Computer Organization & Architecture	4	4	3
	CC	U8CCPR31	Core Practical	CC08	Practical III- Data Structures using C++ - Lab	4	3	3
	CC	U8BCNM31	Non-Major	EC08	Enterprise Resource Planning	4	4	3
	EC	U8CCAL31	Allied	CC09	Allied Financial Accounting I	5	4	3
	EC	U8CCAP31	Allied Practical	EC09	Allied Practical- Accounts Lab I	4	3	3
	AEC	U8BCSB31	Skill Based Lab	AEC3	Skill based Practical - Internet Lab	4	2	3
<b>TOTAL</b>						<b>30</b>	<b>25</b>	<b>-</b>
CC- Core Course, EC- Elective Course, AEC- Ability Enhancement Course*Engaged by the Department of English								



Sem	Part	Course Code	Course	Course No	Course Title	Hrs./Week	Credit	Exam. Hrs
IV	EC	U8CC4001	Core	CC10	Programming in Java	4	3	3
	CC	U8BC4002	Core	EC10	Problem Solving and Algorithms	4	3	3
	CC	U8BCNM41	Non-Major	EC11	E - Commerce	5	5	3
	AEC	U8BCSB41	Skill Based	AEC4	Problem Solving and Algorithms Lab	5	4	3
	CC	U8CCPR41	Core Practical	CC11	Practical IV- Programming in Java Lab	4	4	3
	CC	U8CCAL41	Allied	CC12	Allied Financial Accounting II	4	4	3
	EC	U8CCAP41	Allied (Practical)	EC12	Allied Practical- Accounts II- Lab	4	2	3
		TOTAL				30	25	-
V	CC	U8CC5001	Core	CC13	Design and Analysis of Algorithm	5	5	3
	CC	U8CC5002	Core	CC14	Microprocessor and its Applications	5	5	3
	CC	U8CC5003	Core	CC15	Computer Networks	5	5	3
	CC	U8CC5004	Core	CC16	Software Engineering	5	5	3
	CC	U8CCPR51	Core Practical	CC17	Microprocessor Lab	4	2	3
	CC	U8CCPR52	Core Practical	CC18	Computer Networks Lab	4	2	3
	AEC	U8CCSBP5	Skill Based Lab	AEC5	Mobile Application Development Lab	2	1	3
		TOTAL				30	25	-
VI	CC	U8CC6001	Core	CC19	Computer Graphics and Multimedia	5	5	3
	CC	U8CC6002	Core	CC20	Database Management System	5	5	3
	CC	U8CC6003	Core	CC21	Operating Systems	5	5	3
	CC	U8CC6004	Core	CC22	Open Source Programming	5	5	3
	CC	U8CCPR61	Core Practical	CC23	Data Management System Lab	4	2	3
	CC	U8CCPR62	Core Practical	CC24	Unix & Operating System Lab	4	2	3
	AEC	U8CCSBP6	Skill Based Lab	AEC6	Open Source Programming Lab	2	1	3
		TOTAL				30	25	-
		GRAND TOTAL				180	150	

**REGULATIONS**  
**POSTGRADUATE DEGREE COURSES**  
**(For the candidates admitted from 2016-2017)**

**CBCS**

Choice-Based Credit System is a Flexible System of learning. Credit defines the quantum of contents/ syllabi prescribed for a course and determine the number of hour 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 in learning
- Make best use of the expertise of available faculty

**1. Eligibility for Admission**

A candidate 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

**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. Computer Science**

UG degree in Computer Science / Software Computer Science / Computer Applications are 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 papers are eligible.

**For M.A. English Lit.**

Any three year UG Course with English language in Four semesters is 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, fee for the residual period of the course should be paid by the candidate as per rules in force.

**3. Eligibility for the Award of Degree**

A Candidate 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 90 credits and fulfilled 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, the second academic year: the third semester 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 Core, Electives and Human Rights.

**6. Project Work**

It is considered as a special course involving application of knowledge in solving / analyzing / exploring real life situation / difficult problems. The new CBCS provides an

opportunity for the postgraduate students to learn some research components at this level. The project work would be of 6 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 time-table. If the project work requires field work 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 field work during the working days of the college, no separate hours to be earmarked in the final semester time table.

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

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 faculty from affiliating University Departments / any affiliated college offering the respective postgraduate programme within Vellore district.

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

The following assessment procedure will be followed for Internal Marks:

**CIA Test I** : Two hours duration for 75 marks

**CIA Test II** : Three hours duration for 75 marks

**Marks Distribution**                      **Theory & Practical**

CIA Tests marks to be converted to: **15 marks**

Assignment / Seminar / Observation **5 marks**

Attendance **5 marks**

**Total**                      **25 marks**

R. No	Name	Test I 75	Test II 75	Total 150	Marks converted to 15	Assignment/ Seminar 5	Attendance 5	Total for 25 (Rounded up)

In the last column, any fraction may be rounded off to the next number.

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

#### **8. Requirements for proceeding to Subsequent Semesters**

- (i) Candidates shall register their names for the First Semester Examinations after the admission in the P.G. Courses.
- (ii) Candidates shall be permitted to proceed from the First Semester upto Final Semester irrespective of the number of arrears in any of the End Semester Examinations.
- (iii) Candidates 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**

- a) A candidate 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 of having satisfactorily completed the Course of Study prescribed in the Subject as required by the Regulations, and
  - his conduct has been satisfactory.

- b) A candidate who has 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.

#### 10. Passing Minimum

- a. There shall be no Passing Minimum for Internal Assessment.
- b. For End Semester Examinations, the minimum passing Letter Grade shall be **“P”** (Minimum 50 % of the maximum marks prescribed for the paper).
- c. In the aggregate (End Semester Examination + Internal) the minimum passing Letter Grade shall be **“P”** for each Paper / Practical / Project and Viva-voce.
- d. 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 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

## 12. 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
	Human Rights (AEC)	-	-	-	-
	<b>Total</b>	<b>22</b>			<b>168</b>
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:

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

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

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

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

The CGPA for the PG degree is:

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

### 13. 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 7.5 and Above** : First Class with Distinction

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

Passed all the courses with **CGPA 5.5 to 5.9** : High Second Class

Passed all the courses with **CGPA 5 to 5.4** : 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.



#### **14. The Medium of Instruction and Examinations**

The medium of instruction and Question Paper shall be in English. The candidates having arrears in odd / even semester shall appear for such papers in the next End Semester Examinations.

#### **15. Submission of Record Notebooks for Practical Examinations**

Candidates 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 certifies 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.

#### **16. Improvement of Marks in the courses already passed**

Candidates 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 as decided by the Governing Body from time to time. Candidate will not be allowed to improve marks in the Practicals, Project, Viva-Voce and field works.

#### **17. Self-Supportive Courses**

The above Regulations shall be applicable for candidates undergoing the respective self-supportive courses also.

## 18. Rank Holders

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

## 19. Transitory Provision

Candidates who have joined the programme from the academic year 2018-19 will be permitted to appear for the examinations under this Regulation for a maximum period of **FOUR** years including the regular period of study. 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 as decided by the Governing Body from time to time.

### Question Paper Pattern

<b>SECTION A</b>	<b>To answer ALL the 5 questions (either or type) (One questions from each UNIT)</b>	<b>5 x 6 = 30 Marks</b>
<b>SECTION B</b>	<b>To answer 3 questions (out of 5 questions) (One questions from each UNIT)</b>	<b>3 x15 =45 Marks</b>
<b>TOTAL</b>		<b>75 Marks</b>

**COURSE STRUCTURE FOR P.G. PROGRAMMES**  
**(For the Candidates admitted from the academic year 2018-2019)**

<b>M.A. ENGLISH</b>							
<b>SEM</b>	<b>Course Code</b>	<b>Course</b>	<b>Course No</b>	<b>Course Title</b>	<b>Ins Hrs./ Week</b>	<b>Credit</b>	<b>Exam Hrs.</b>
<b>I</b>	P8EN1001	Core	Paper 1	Chaucer and Elizabethan Age	6	5	3
	P8EN1002	Core	Paper 2	The Neo Classical Age	6	5	3
	P8EN1003	Core	Paper 3	The Romantic and the Victorian Ages	6	4	3
	P8EN1004	Core	Paper 4	Twentieth Century Literature	6	4	3
	P8ENEP11/ P8ENEP12	Core Based Elective	Elective Paper 1	(To choose 1 out of 2) 1.Creative Writing 2.English for Communication	6	4	3
<b>II</b>	P8EN2001	Core	Paper 5	English Language and Linguistics	5	5	3
	P8EN2002	Core	Paper 6	Indian Literature in English	6	5	3
	P8EN2003	Core	Paper 7	Shakespeare	6	4	3
	P8EN2004	Core	Paper 8	American Literature	5	4	3
	P8HR2001		Common Paper	Human Rights	2	-	3
	P8ENEP21/ P8ENEP22	Core Based Elective	Elective Paper 2	(To choose 1 out of 2) 1.New Literature in English 2.Business writing in English	6	4	3
<b>III</b>	P8EN3001	Core	Paper 9	Common Wealth Literature	6	5	3
	P8EN3002	Core	Paper 10	Literary Theory and Criticism I	6	5	3
	P8EN3003	Core	Paper 11	English Language Teaching	6	4	3
	P8EN3004	Core	Paper 12	Contemporary Literary Theories	6	4	3
	P8ENEP31/ P8ENEP32	Core Based Elective	Elective Paper 3	(To choose 1 out of 2) 1.Technical Writing 2.Research Methodology	6	4	3
<b>IV</b>	P8EN4001	Core	Paper 13	Literary Theory and Criticism II	5	5	3
	P8EN4002	Core	Paper 14	Soft Skills	5	5	3
	P8EN4003	Core	Paper 15	Journalism and Mass Communication	6	4	3
	P8EN4004	Core	Paper 16	Women's writing in English	5	4	3
	P8ENEP41/ P8ENEP42	Core Based Elective	Elective Paper 4	(To choose 1 out of 2) 1. Anatomy of Literature 2. Interpretation of Literature	5	4	3
	P8ENNM41	Non Major	NM Paper	Computer Literacy in Teaching	4	2	3
<b>Total</b>					<b>120</b>	<b>90</b>	<b>-</b>

M.A. HISTORY							
SEM	Course Code	Course	Course No	Course Title	Ins Hrs./ Week	Credit	Exam Hrs.
I	P8HI1001	Core	Paper 1	Social and Cultural History of India upto 1206 A.D.	6	5	3
	P8HI1002	Core	Paper 2	Social and Cultural History of Tamil Nadu up to 1565 A.D.	6	5	3
	P8HI1003	Core	Paper 3	History of Ancient Civilizations	6	4	3
	P8HI1004	Core	Paper 4	Islamic History from 500 A.D. to 750 A.D.	6	4	3
	P8HIEP11/ P8HIEP12	Core Based Elective	Elective Paper 1	(To choose 1 out of 2) 1. Travel Management 2. Fundamentals of Defense and Strategic Studies	6	4	3
II	P8HI2001	Core	Paper 5	Social and Cultural History of India from 1206A.D. to 1857 A.D.	5	5	3
	P8HI2002	Core	Paper 6	Social and Cultural History of Tamil Nadu from 1565 A.D. to 2000 A.D.	6	5	3
	P8HI2003	Core	Paper 7	History of Medieval Civilizations	6	4	3
	P8HI2004	Core	Paper 8	Islamic History from 750 A.D. to 1258 A.D.	5	4	3
	P8HR2001		Common Paper	Human Rights	2	-	3
	P8HIEP21/ P8HIEP22	Core Based Elective	Elective Paper 2	(To choose 1 out of 2) 1. Hotel Management 2. Fundamentals of National Security	6	4	3
III	P8HI3001	Core	Paper 9	Social and Cultural History of India from 1857 A.D. to 2010 A.D.	6	5	3
	P8HI3002	Core	Paper 10	History of Modern Civilizations	6	5	3
	P8HI3003	Core	Paper 11	Historiography	6	4	3
	P8HI3004	Core	Paper 12	History of the Ottoman Empire	6	4	3
	P8HIEP31/ P8HIEP32	Core Based Elective	Elective Paper 3	(To choose 1 out of 2) 1. Epigraphy and Numismatics 2. Fundamental of Geography	6	4	3
IV	P8HI4001	Core	Paper 13	Research Methodology	5	5	3
	P8HI4002	Core	Paper 14	Principles of Archaeology	5	5	3
	P8HI4003	Core	Paper 15	History of England from 1603 A.D. to 1945 A.D.	6	4	3
	P8HI4004	Core	Paper 16	Muslim contribution to Humanity	5	4	3
	P8HIEP41/ P8HIEP42	Core Based Elective	Elective Paper 4	(To choose 1 out of 2) 1. Growth of Panchayati Raj Institutions in India (with special reference to Tamil Nadu) 2. Fundamentals of Indian Economy	5	4	3
	P8HINM41	Non Major	NM Paper	Introduction to Journalism	4	2	3
				<b>Total</b>	<b>120</b>	<b>90</b>	<b>-</b>

M.Com. COMMERCE							
Sem	Course Code	Course	Course No	Course Title	Ins Hrs./ Week	Credit	Exam Hrs.
I	P8CO1001	Core	Paper 1	Marketing Management	6	5	3
	P8CO1002	Core	Paper 2	Advanced Management Accounting	6	5	3
	P8CO1003	Core	Paper 3	Advanced Business Statistics I	6	4	3
	P8CO1004	Core	Paper 4	Business Environment	6	4	3
	P8COEP11/ P8COEP12	Core Based Elective	Elective Paper 1	(To choose 1 out of 2) 1. Business & Professional Communication 2. Corporate Laws	6	4	3
II	P8CO2001	Core	Paper 5	Human Resource Management	5	5	3
	P8CO2002	Core	Paper 6	Advanced Financial Management	6	5	3
	P8CO2003	Core	Paper 7	Advanced Business Statistics II	6	4	3
	P8CO2004	Core	Paper 8	Financial Services	5	4	3
	P8HR2001		Common Paper	Human Rights	2	-	3
	P8COEP21/ P8COEP22	Core Based Elective	Elective Paper 2	(To Choose 1 Out Of 2) 1. Consumer Behaviour 2. E-Commerce	6	4	3
III	P8CO3001	Core	Paper 9	Advanced Accounting I	6	5	3
	P8CO3002	Core	Paper 10	Advanced Cost Accounting I	6	5	3
	P8CO3003	Core	Paper 11	Organisational Behaviour	6	4	3
	P8CO3004	Core	Paper 12	Research Methodology	6	4	3
	P8COE3P1/ P8COEP32	Core Based Elective	Elective Paper 3	(To Choose 1 Out Of 2) 1. Goods and Services Tax 2. Managerial Economics	6	4	3
IV	P8CO4001	Core	Paper 13	Advanced Accounting II	5	5	3
	P8CO4002	Core	Paper 14	Advanced Cost Accounting II	5	5	3
	P8CO4003	Core	Paper 15	Direct Taxes	6	4	3
	P8CO4004	Core	Paper 16	Security Analysis	5	4	3
	P8COEP41/ P8COEP42	Core Based Elective	Elective Paper 4	(To Choose 1 Out Of 2) 1. Export Management 2. Entrepreneurial Development	5	4	3
	P8CONM41	Non Major	NM Paper	Computer Applications in Business	4	2	3
Total					120	90	-

M.Sc. MATHEMATICS							
SEM	Course Code	Course	Course No	Course Title	Ins Hrs./ Week	Credit	Exam Hrs.
I	P8MS1001	Core	Paper 1	Algebra I	6	5	3
	P8MS1002	Core	Paper 2	Real Analysis I	6	5	3
	P8MS1003	Core	Paper 3	Ordinary Differential Equations	6	4	3
	P8MS1004	Core	Paper 4	Mechanics	6	4	3
	P8MSEP11/ P8MSEP12	Core Based Elective	Elective Paper 1	(To choose 1 out of 2) 1. Resource Management Techniques 2. Graph Theory	6	4	3
II	P8MS2001	Core	Paper 5	Algebra II	5	5	3
	P8MS2002	Core	Paper 6	Real Analysis II	6	5	3
	P8MS2003	Core	Paper 7	Partial Differential Equations	6	4	3
	P8MS2004	Core	Paper 8	Advanced Numerical Analysis	5	4	3
	P8HR2001		Common Paper	Human Rights	2	-	3
	P8MSEP21/ P8MSEP22	Core Based Elective	Elective Paper 2	(To choose 1 out of 2) 1. Operations research 2. Algebraic Number Theory	6	4	3
III	P8MS3001	Core	Paper 9	Complex analysis I	6	5	3
	P8MS3002	Core	Paper 10	Topology	6	5	3
	P8MS3003	Core	Paper 11	Probability Theory	6	4	3
	P8MS3004	Core	Paper 12	Differential Geometry	6	4	3
	P8MSEP31/ P8MSEP32	Core Based Elective	Elective Paper 3	(To choose 1 out of 2) 1. Tensor Analysis and Relativity Theory 2. Fuzzy Sets and their Applications	6	4	3
IV	P8MS4001	Core	Paper 13	Complex analysis II	5	5	3
	P8MS4002	Core	Paper 14	Functional Analysis	5	5	3
	P8MS4003	Core	Paper 15	Mathematical Statistics	6	4	3
	P8MS4004	Core	Paper 16	Fluid Dynamics	5	4	3
	P8MSEP41/ P8MSEP42	Core Based Elective	Elective Paper 4	(To choose 1 out of 2) 1. Number Theory & Cryptography 2. Applied Abstract Algebra	5	4	3
	P8MSNM41	Non Major	NM Paper	Mathematical Software	4	2	3
Total					120	90	-

M.Sc. PHYSICS							
SEM	Course Code	Course	Course No	Course Title	Ins Hrs./ Week	Credit	Exam Hrs.
I	P8PY1001	Core	Paper 1	Mathematical Physics	6	5	3
	P8PY1002	Core	Paper 2	Classical Mechanics & Relativity	6	5	3
	P8PY1003	Core	Paper 3	Quantum Mechanics I	6	4	3
	P8PYPR11	Core Practical	Paper 4	<b>Practical I -</b> General Physics Experiments I	6	4	4
	P8PYEP11/ P8PYEP12	Core Based Elective	Elective Paper 1	<b>(To choose 1 out of 2)</b> 1. Electronic Devices and Applications 2. Computational Methods and Programming	6	4	3
II	P8PY2001	Core	Paper 5	Statistical Physics	5	5	3
	P8PY2002	Core	Paper 6	Electromagnetic Theory	6	5	3
	P8PY2003	Core	Paper 7	Quantum Mechanics II	6	4	3
	P8PYPR21	Core Practical	Paper 8	<b>Practical II-</b> Electronics Experiments I	5	4	4
	P8HR2001		Common Paper	Human Rights	2	-	3
	P8PYEP21/ P8PYEP22	Core Based Elective	Elective Paper 2	<b>(To choose 1 out of 2)</b> 1. Advanced Spectroscopy 2. Astrophysics	6	4	3
III	P8PY3001	Core	Paper 9	Condensed Matter Physics I	6	5	3
	P8PY3002	Core	Paper 10	Nuclear and Particle Physics	6	5	3
	P8PY3003	Core	Paper 11	Crystal Physics and Crystallography	6	4	3
	P8PYPR31	Core Practical	Paper 12	<b>Practical III-</b> General Physics Experiments II	6	4	6
	P8PYEP31/ P8PYEP32	Core Based Elective	Elective Paper 3	<b>(To choose 1 out of 2)</b> 1. Synthesis and Characterization of Nano materials 2. Embedded System	6	4	3
IV	P8PY4001	Core	Paper 13	Condensed Matter Physics II	5	5	3
	P8PY4002	Core	Paper 14	Research Methodology	5	4	3
	P8PYPR41	Core Practical	Paper 15	<b>Practical IV-</b> Microprocessor and Micro controller Experiments	6	5	6
	P8PYEP41/ P8PYEP42	Core Based Elective	Paper 16	<b>(To choose 1 out of 2)</b> 1. Microprocessor and Microcontroller 2. Digital Communications	5	4	3
	P8PYNM41	Non Major	NM Paper	Bio-Medical Instrumentation	5	4	3
	P8PYPJ41	Project Core	Project Paper	Project With Viva	4	2	3
<b>Total</b>					<b>120</b>	<b>90</b>	<b>-</b>

M.Sc. CHEMISTRY							
SEM	Course Code	Course	Course No	Course Title	Ins Hrs./ Week	Credit	Exam Hrs.
I	P8CH1001	Core	Paper 1	Inorganic Chemistry I	6	5	3
	P8CH1002	Core	Paper 2	Organic Chemistry I	6	5	3
	P8CH1003	Core	Paper 3	Physical Chemistry I	6	4	3
	P8CHPR11	Core Practical	Paper 4	<b>Practical I-</b> Organic Chemistry Practical I	6	4	6
	P8CHEP11/ P8CHEP12	Core Based Elective	Elective Paper 1	<b>(To Choose 1 out of 2)</b> 1. <b>Practical II-</b> Colorimetry & Kinetic Studies 2. Applied Catalysis	6	4	6
II	P8CH2001	Core	Paper 5	Inorganic Chemistry II	5	5	3
	P8CH2002	Core	Paper 6	Organic Chemistry II	6	5	3
	P8CH2003	Core	Paper 7	Physical Chemistry II	6	4	3
	P8CHPR21	Core Practical	Paper 8	<b>Practical III-</b> Physical Practical I	5	4	6
	P8HR2001		Common Paper	Human Rights	2	-	3
	P8CHEP21/ P8CHEP22	Core Based Elective	Elective Paper 2	<b>(To Choose 1 out of 2)</b> 1. <b>Practical IV-</b> Analysis of Organic & Inorganic Mixtures-1 2. Medicinal Chemistry	6	4	6
III	P8CH3001	Core	Paper 9	Inorganic Chemistry III	6	5	3
	P8CH3002	Core	Paper 10	Organic Chemistry III	6	5	3
	P8CH3003	Core	Paper 11	Physical Chemistry III	6	4	3
	P8CHPR31	Core Practical	Paper 12	Practical V- Inorganic Practical	6	4	6
	P8CHEP31/ P8CHEP32	Core Based Elective	Elective Paper 3	<b>(To choose 1 out of 2)</b> 1. Practical VI-Conductometric Titration and Organic Estimations 2. Industrial Chemistry Practicals (or) Inplant Training	6	4	6
IV	P8CH4001	Core	Paper 13	Inorganic Chemistry IV	5	5	3
	P8CH4002	Core	Paper 14	Organic Chemistry IV	5	5	3
	P8CH4003	Core	Paper 15	Physical Chemistry IV	6	4	3
	P8CHPJ41	Project	Paper 16	Project with Viva	5	4	6
	P8CHEP41/ P8CHEP42	Core Based Elective Practical	Elective Paper 4	<b>(To choose 1 out of 2)</b> 1. Practical VII- Organic Chemistry Practical II 2. Preparation of domestic products	5	4	6
	P8CHNM41	Non Major Practical	NM Paper	Practical VIII- Potentiometry and Spectral Interpretation	4	2	6
				<b>Total</b>	<b>120</b>	<b>90</b>	<b>-</b>



M.Sc. BIOCHEMISTRY							
SEM	Course Code	Course	Course No	Course Title	Ins Hrs./ Week	Credit	Exam Hrs.
I	P8BI1001	Core	Paper 1	Biomolecules	6	5	3
	P8BI1002	Core	Paper 2	Enzymes	6	5	3
	P8BIPR11	Core Practical	Paper 3	<b>Practical I-</b> Isolation and estimation of Biomolecules	6	4	6
	P8BIPR12	Core Practical	Paper 4	<b>Practical II-</b> Enzyme Assays	6	4	6
	P8BIEP11/ P8BIEP12	Core Based Elective	Elective Paper 1	<b>(To choose 1 out of 2)</b> 1. Cell Biology 2. Animal Cell Science and Technology	6	4	3
II	P8BI2001	Core	Paper 5	Analytical Techniques	5	5	3
	P8BI2002	Core	Paper 6	Bioenergetics and Intermediary metabolism	6	5	3
	P8BIPR21	Core Practical	Paper 7	<b>Practical III-</b> Biochemical Analysis of Blood	6	4	6
	P8BIPR22	Core Practical	Paper 8	<b>Practical IV-</b> Hematology and Serology	5	4	6
	P8HR2001		Common Paper	Human Rights	2	-	3
	P8BIEP21/ P8BIEP22	Core Based Elective	Elective Paper 2	<b>(To choose 1 out of 2)</b> 1. Cell Signaling and Communication 2. Nano biochemistry	6	4	3
III	P8BI3001	Core	Paper 9	Molecular Endocrinology	6	5	3
	P8BI3002	Core	Paper 10	Clinical Biochemistry	6	5	3
	P8BIPR31	Core Practical	Paper 11	Practical V- Analysis of Urine	6	4	6
	P8BIPR32	Core Practical	Paper 12	Practical VI- Clinical Enzymology	6	4	6
	P8BIEP31/ P8BIEP32	Core Based Elective	Elective Paper 3	(To choose 1 out of 2) 1. Ecology, Evolution and Biodiversity 2. Pharmacology and Toxicology	6	4	3
IV	P8BI4001	Core	Paper 13	Genetics and Molecular Biology	5	5	3
	P8BI4002	Core	Paper 14	Immunology and Immunotechnology	5	5	3
	P8BIPR41	Core Practical	Paper 15	Practical VII- Molecular Biology	6	4	6
	P8BIPJ41	Core Project	Paper 16	Project with Viva	5	4	6
	P8BIEP41/ P8BIEP42	Core Based Elective	Elective Paper 4	(To choose 1 out of 2) 1. Research Methodology 2. Biostatistics and Bioinformatics	5	4	3
	P8BINM41	Non Major	NM Paper	Human Physiology	4	2	3
<b>Total</b>					<b>120</b>	<b>90</b>	<b>-</b>

M.Sc. BIOTECHNOLOGY							
SEM	Course Code	Course	Course No	Course Title	Ins Hrs./ Week	Credit	Exam Hrs.
I	P8BT1001	Core	Paper 1	Advanced Biochemistry	6	5	3
	P8BT1002	Core	Paper 2	Molecular Biology	6	5	3
	P8BT1001	Core Practical	Paper 3	<b>Practical I-</b> Advanced Biochemistry	6	4	4
	P8BT1002	Core Practical	Paper 4	<b>Practical II-</b> Molecular Biology	6	4	4
	P8BTEP11/ P8BTEP12	Core Based Elective	Elective Paper 1	(To choose 1 out of 2) 1. Bioprospecting Technology 2. Bioinstrumentation	6	4	3
II	P8BT2001	Core	Paper 5	Plant Biotechnology	5	5	3
	P8BT2002	Core	Paper 6	Animal Biotechnology	6	5	3
	P8BT2001	Core Practical	Paper 7	<b>Practical III-</b> Plant Biotechnology	6	4	4
	P8BT2002	Core Practical	Paper 8	<b>Practical IV-</b> Animal Biotechnology	6	4	4
	P8HR2001		Common Paper	Human Rights	2	-	3
	P8BTEP21/ P8BTEP22	Core Based Elective	Elective Paper 2	(To choose 1 out of 2) 1. Molecular Genetics 2. Herbal Biotechnology	5	4	3
III	P8BT3001	Core	Paper 9	Immunotechnology	6	5	3
	P8BT3002	Core	Paper 10	Microbial Technology	6	5	3
	P8BT3001	Core Practical	Paper 11	Practical V- Immunotechnology	6	4	4
	P8BT3002	Core Practical	Paper 12	Practical VI- Microbial Technology	6	4	4
	P8BTEP31/ P8BTEP32	Core Based Elective	Elective Paper 3	(To choose 1 out of 2) 1. Industrial Biotechnology 2. Enzymes & Fermentation Technology	6	4	3
IV	P8BT4001	Core	Paper 13	Environmental Biotechnology	5	5	3
	P8BT4002	Core	Paper 14	Research Methodology	5	5	3
	P8BT4001	Core Practical	Paper 15	Practical VII- Environmental Biotechnology	6	4	4
	P8BTEP41/ P8BTEP42	Core	Elective Paper 4	(To choose 1 out of 2) 1. Entrepreneurial Biotechnology 2. Medical Biotechnology	5	4	3
	P8BTPJ41	Core Based Elective	Paper 16	Project with Viva	5	4	3
	P8BTNM41	Non Major	NM Paper	Aquaculture Biotechnology	4	2	3
				<b>Total</b>	<b>120</b>	<b>90</b>	<b>-</b>

M.Sc. COMPUTER SCIENCE							
SEM	Course Code	Course	Course No	Course Title	Ins Hrs./ Week	Credit	Exam Hrs.
I	P8CS1001	Core	Paper 1	Advanced Java Programming	6	5	3
	P8CS1002	Core	Paper 2	Advanced Software Engineering	6	5	3
	P8CSPR11	Core Practical	Paper 3	<b>Practical I-</b> Advanced Java Programming Lab	6	4	3
	P8CSPR12	Core	Paper 4	<b>Practical II-</b> Software Engineering Lab	6	4	6
	P8CSEP11/ P8CSEP12	Core Based Elective	Elective Paper 1	<b>(To choose 1 out of 2)</b> 1.Theory of Computation 2. Principles of Programming Languages.	6	4	6
II	P8CS2001	Core	Paper 5	Design and Analysis of Algorithms	5	5	3
	P8CS2002	Core	Paper 6	Mobile Computing	6	5	3
	P8CSPR21	Core Practical	Paper 7	<b>Practical III-</b> Open Source Programming Lab	6	4	3
	P8CSPR22	Core Practical	Paper 8	<b>Practical IV-</b> Mobile Application Development Lab	5	4	6
	P8HR2001		Common Paper	Human Rights	2	-	3
	P8CSEP21/ P8CSEP22	Core Based Elective	Elective Paper 2	<b>(To choose 1 out of 2)</b> 1. Fuzzy and Neural Networks 2. Data Mining	6	4	3
III	P8CS3001	Core	Paper 9	Digital Image Processing	6	5	3
	P8CS3002	Core	Paper 10	Information and Network Security	6	5	3
	P8CSPR31	Core Practical	Paper 11	Practical V- Digital Image Processing Lab	6	4	3
	P8CS3003	Core	Paper 12	Advanced Computer Architecture	6	4	3
	P8CSEP31/ P8CSEP32	Core Based Elective	Elective Paper 3	(To choose 1 out of 2) 1. Business Intelligence and Data Mining 2. Wireless Networks	6	4	3
IV	P8CS4001	Core	Paper 13	Cloud Computing	6	5	3
	P8CS4002	Core	Paper 14	Principles of Compiler Design	5	5	3
	P8CSPR41	Core Pract.	Paper 15	Practical VI- Compiler Design Lab	5	4	3
	P8CSPJ41	Core	Elective Paper 4	Project with Viva	4	4	3
	P8CSEP41/ P8CSEP42	Core Based Elective	Paper 16	(To choose 1 out of 2) 1. Human Computer Interaction 2. Web Publishing	5	4	3
	P8CSNM41	Non Major	NM Paper	Embedded Systems	5	2	3
<b>Total</b>					<b>120</b>	<b>90</b>	<b>-</b>

**REGULATIONS**  
**M.PHIL. DEGREE COURSES**  
**(Admitted from 2018 – 2019)**

**Preamble**

Eminent scholars are of the unanimous opinion that there is an urgent need to improve the standards of research carried out in the institutions of higher learning in India. Therefore, there is an urgent need for improving the standards of research by restructuring the research course curriculum. To avoid any element of duplication and subjective evaluation and such other problems, some radical changes have to be brought about in research, leading to the award of the degrees of Master of Philosophy.

**CBCS**

Choice-Based Credit System is a Flexible System of learning. Credit defines the quantum of contents / syllabi prescribed for a course and determine the number of hours of instructions required. It permits the students to:

- Choose electives from a wide range of elective courses offered by various departments of the College.
- Adopt an interdisciplinary approach in learning.
- Make best use of the expertise of available faculty.

**1. Eligibility for admission**

For securing admission to the M.Phil. Programme, candidates must have secured 55% of marks in the respective PG Degree programme or any equivalent programme in the case of interdisciplinary subjects. However, the minimum marks for the SC/ST/differently-abled candidates would be 50%. For the part-time candidates, who have completed their PG Degree on or before 19<sup>th</sup> September 1991, the minimum eligible marks for admission to M.Phil would be 50%. Teacher candidates working in universities / affiliated colleges / polytechnics / schools seeking admission to M.Phil. degree programme under Part Time basis should obtain NO OBJECTION CERTIFICATE, countersigned by the Director / Joint Director of Collegiate / School Education. Such candidates should have a minimum of TWO years of Teaching Experience and produce the Service Certificate issued by the concerned Chief Educational Officer / Authorized authorities at the time of admission.

**2. Entrance test and interview for admission**

An entrance examination and interview would be conducted for all the registered applicants (full-time and part-time). The performance in entrance examination and interview would be taken

into account along with the marks secured in the PG programme. The entrance examination for admission shall be conducted by the College / Department.

The selection criteria is based on the following:

Marks Secured in PG Degree (Max of 100 Marks)	50% of Marks secured in PG Degree (Max 50 Marks) A	Marks in Written Entrance Examination (Max 40 Marks) B	Marks in Interview / Oral Test (Max 10 Marks) C	Total Marks Secured (Max 100 Marks)  A+B+C

For admission to the M.Phil. programme, the candidates who have already qualified themselves in CSIR/ NET / JRF / SLET / SET are exempted from appearing in the Entrance Written Examination. However, the above exempted candidates have to appear for an interview before the selection Committee which will assess their aptitude for research. The syllabus for the entrance examination shall consist of 50% research methodology and 50% shall be subject specific.

### 3. Selection Committee

The selection committee would include the HOD and Research Guides of the department concerned.

### 4. Duration of the course:

The duration for completion of M.Phil. (Full-time) programme in any discipline is two semesters and the maximum period is 2 years. For M.Phil. (Part-time), the duration is two years and the maximum period is 3 years. If a candidate fails to complete the course within the stipulated period, the candidate has to re-register for the course as per the Thiruvalluvar University regulations in force at that time. The M.Phil. Degree is awarded, if a student has registered, undergone and secured the required minimum number of credits for the core and elective subjects including Dissertation specified in the corresponding programme within the stipulated time; Secured the required attendance; No dues to the College, Laboratory, Hostel and Library; are the other conditions applicable for the issue of course completion and transfer certificates.

### 5. Structure of the Programme

The M.Phil. Programme consists of (a) Core courses which are mandatory for all students (b) Elective course related to the Research Area / work.

- i. **Core Courses** – Two papers (Paper I and II) carrying **5 credits** each
- ii. **Elective Course** – One paper (Paper III) carrying **5 credits** (related to the Research Area)
- iii. **Dissertation – 20 Credits** (relevant to the Elective Course)

The total number of credits for core and electives shall be 15 consists of 2 Core courses (10 credits) plus one elective (5 Credits).

## **6. Examination of Theory Papers**

For full time scholars, theory examination will be conducted at the end of every semester. For part-time scholars, theory examination will be conducted at the end of first year and submission of dissertation will be at the end of second year.

## **7. Research Topic**

The research topic for the dissertation has to be finalized at the beginning of the M.Phil. Full Time Programme, so that the collection of relevant literature and research design shall be completed in the first semester leaving the entire second semester for the research work and preparation of dissertation. For M.Phil. Part Time Programme, the collection of relevant literature and research design could be completed in the first year leaving the entire second year for the research work and preparation of dissertation. The candidates should register for M.Phil. course with Thiruvalluvar University in the first semester itself by using a separate registration form to be obtained from the Thiruvalluvar University soon after admission. The academic year for the M.Phil. Programme starts from August to July every year.

## **8. Minimum Requirement for Submission of Dissertation**

For submission of dissertation, M.Phil. (Both Full Time and Part Time) scholars should have cleared all the three written examination papers and present their respective research work before the Departmental Research Committee for approval. A research scholar shall appear before the Research Advisory Committee once in six months to make a presentation of the progress of his work for evaluation and further guidance. The six monthly progress reports shall be submitted by the Research Advisory Committee to the Head of the Department concerned with a copy to the research scholar. Prior to the submission of the dissertation/thesis, the scholar shall make a presentation in the Department before the Research Advisory Committee of the Institution concerned which shall also be open to all faculty members and other research scholars.

The feedback and comments obtained from them may be suitably incorporated into the draft dissertation/thesis in consultation with the Research Advisory Committee. M.Phil. scholars shall publish one research article in referred journal or present at least one (1) research paper in a conference/seminar proceedings/ college research journal, before the submission of the dissertation/thesis for adjudication and produce evidence for the same in the form of presentation

certificates and/or reprints. The last date for submission of Dissertation shall be 31<sup>st</sup> August of every year. Those who do not submit the dissertation in time may be given an extension of a maximum of one month with a late fee prescribed by the governing body from time to time (i.e. up to 30<sup>th</sup> September). Any student failing to submit the dissertation within this period will be permitted to submit the dissertation only in the next academic year along with the subsequent batch of students.

For the change of M.Phil. dissertation title, if needed, a separate application should be submitted at least 15 days in advance prior to the last date for regular submission of dissertation with prescribed fee.

## **9. Evaluation**

The process of evaluation, examination, etc. for the M.Phil. Programme shall be as per the UGC's regulations, 2016 which is as follows:

A M.Phil. scholar has to obtain a minimum of 55% of marks (or an equivalent grade/CGPA in a point scale wherever grading system is followed) in the course work in order to be eligible to continue in the programme and submit the dissertation/thesis.

However, final semester students of the M.Phil. are permitted to appear in any arrear paper during the subsequent examinations. Regarding the evaluation of the M.Phil. dissertation the total mark is 200. It is divided into 150 marks for dissertation evaluation and 50 marks for viva-voce examination. The earmarked mark for dissertation has to be divided equally between the internal examiner (guide) and the external examiner (75 marks each). Viva-voce examination has to be conducted by both internal and external examiners jointly.

The Core papers (Paper I and II) will be evaluated by the External Examiners who are approved research guides of the central / state universities.

The dissertation shall be jointly evaluated by the supervisor and the external examiner. The external examiner is to be drawn from the affiliating University department or any affiliated college offering M.Phil. Programme in the respective discipline in the Thiruvalluvar University area. However the examiner should not be from the same college.

The distribution of marks shall be as under:

- **75% marks** for the Dissertation - Valuation
- **25% marks** for Viva-voce

## **10. Other Regulations of M.Phil. Programme**

The rules and regulations concerning course registration, grading system, attendance and discipline of students of M.Phil. Full Time Programme shall be the same as for the Master's

Programme. For M.Phil. Part Time Programme, the research scholar should attend the course as per the Thiruvalluvar University regulations.

### 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 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
00 – 54	F	0
Absent	Ab	0

### 12. 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	5	O	10	50
	Total	15			135
II	Dissertation	20	B +	7	140

$$SGPA = \frac{135}{15} = 9$$

$$CGPA = \frac{135 + 140}{35} = \frac{275}{35} = 7.8$$

### 13. Classification of Successful Candidates

Passed all the courses with CGPA of 7.5 and above without any arrear	- First Class with Distinction
Passed all the courses with CGPA of 6-7.4	- First Class
Passed all the courses with CGPA of 5.5-5.9	- Second Class

### 14. The Medium of Instruction and Examinations

The medium of instruction and Question Paper shall be in English.



### 15. Self-Supportive Courses

The above Regulations shall be applicable for candidates undergoing the respective self-supportive courses also.

### 16. Rank Holders

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

### 17. Transitory Provision

Candidates who have joined the programme from the academic year 2018-19 will be permitted to appear for the examinations under this Regulation for a maximum period of **TWO** years for Full-Time (FT) and **THREE** years for Part-Time (PT) candidates. Thereafter, they will be permitted to appear for the examinations only under the new Regulations in force. Such candidates have to reregister for the course. The fee for such re-registration will be as decided by the Governing Body from time to time.

### 18. Plagiarism Certificate

Candidates who have admitted from the academic year 2019-20 have to submit **Plagiarism Certificate** along with their dissertation submission. The permissible limit of plagiarism.....%.

### 18. Question Paper Pattern

<b>SECTION A</b>	<b>To answer ALL the 5 Questions (Either or Type) One Questions from each UNIT</b>	5 x 6 = 30 Marks
<b>SECTION B</b>	<b>To answer 3 Questions (out of 5 questions) One Questions from each UNIT</b>	3 x15 =45 Marks
<b>TOTAL</b>		75 Marks

**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**COURSE STRUCTURE FOR M.Phil. PROGRAMMES**  
**(For the Candidates admitted from the academic year 2018 – 2019)**

COURSE STRUCTURE FOR M. Phil. MATHEMATICS									
SEM	COURSE CODE	COURSE	COURSE TITLE	INS HRS./ WEEK	CREDIT	EXAM HRS.	MAX MARKS		
							IA	EXAM	TOTAL
I	MPH8MS01	Core Paper I	Algebra and Analysis	6	5	3	25	75	100
	MPH8MS02	Core Paper II	Topology and differential Equations	6	5	3	25	75	100
	MPH8MS03	Elective I Paper III	<b>Paper on Individual Research Area.</b>	6	5	3	25	75	100
II	MPH8MS04	Elective II	<b>Dissertation</b> (To be Choose According to <b>Elective I</b> and <b>Paper II</b> )	-	20	-	-	150	150
			Viva-Voce	-	-	-	-	50	50
<b>TOTAL</b>				-	35	-	75	425	500

COURSE STRUCTURE FOR M. Phil. PHYSICS									
SEM	COURSE CODE	COURSE	COURSE TITLE	INS HRS./ WEEK	CREDIT	EXAM HRS.	MAX MARKS		
							IA	EXAM	TOTAL
I	MPH8PY01	Core Paper I	Research Methodology	6	5	3	25	75	100
	MPH8PY02	Core Paper II	Advanced Physics	6	5	3	25	75	100
	MPH8PY03	Elective I Paper III	<b>Paper on Individual Research Area</b>	6	5	3	25	75	100
II	MPH8PY04	Elective II	<b>Dissertation</b> (To be choose According to <b>Elective I</b> )	-	20	-	-	150	150
			Viva-Voce	-	-	-	-	50	50
<b>TOTAL</b>				-	35	-	75	425	500

COURSE STRUCTURE FOR M. Phil. CHEMISTRY									
SEM	COURSE CODE	COURSE	COURSE TITLE	INS HRS./ WEEK	CREDIT	EXAM HRS.	MAX MARKS		
							IA	EXAM	TOTAL
I	MPH8CH01	Core Paper I	Research Methodology	6	5	3	25	75	100
	MPH8CH02	Core Paper II	Advanced Chemical Analysis	6	5	3	25	75	100
	MPH8CH03	Elective I Paper III	<b>Paper on Individual Research Area</b>	6	5	3	25	75	100
II	MPH8CH04	Elective II	<b>Dissertation (To be choose According to Elective I)</b>	-	20	-	-	150	150
			Viva-Voce	-	-	-	-	50	50
<b>TOTAL</b>				-	35	-	75	425	500

COURSE STRUCTURE FOR M. Phil. BIOCHEMISTRY									
SEM	COURSE CODE	COURSE	COURSE TITLE	INS HRS./ WEEK	CREDIT	EXAM HRS.	MAX MARKS		
							IA	EXAM	TOTAL
I	MPH8BI01	Core Paper I	Research Methodology	6	5	3	25	75	100
	MPH8BI02	Core Paper II	Analytical Methods	6	5	3	25	75	100
	MPH8BI03	Elective I Paper III	<b>Paper on Individual Research Area</b>	6	5	3	25	75	100
II	MPH8BI04	Elective II	<b>Dissertation (To be choose According to Elective I)</b>	-	20	-	-	150	150
			Viva-Voce	-	-	-	-	50	50
<b>TOTAL</b>				-	35	-	75	425	400

COURSE STRUCTURE FOR M. Phil. BIOTECHNOLOGY									
SEM	COURSE CODE	COURSE	COURSE TITLE	INS HRS./ WEEK	CREDIT	EXAM HRS.	MAX MARKS		
							IA	EXAM	TOTAL
I	MPH8BT01	Core Paper I	Research Methodology	6	5	3	25	75	100
	MPH8BT02	Core Paper II	Advanced Biotechnology	6	5	3	25	75	100
	MPH8BT03	Elective I Paper III	<b>Paper on Individual Research Area</b>	6	5	3	25	75	100
II	MPH8BT04	Elective II	<b>Dissertation (To be choose According to Elective I)</b>	-	10	-	-	150	150
			Viva-Voce	-	-	-	-	50	50
<b>TOTAL</b>				-	<b>35</b>	-	<b>75</b>	<b>425</b>	<b>500</b>

COURSE STRUCTURE FOR M. Phil. COMPUTER SCIENCE									
SEM	COURSE CODE	COURSE	COURSE TITLE	INS HRS./ WEEK	CREDIT	EXAM HRS.	MAX MARKS		
							IA	EXAM	TOTAL
I	MPH8CS01	Core Paper I	Research Methodology	6	5	3	25	75	100
	MPH8CS02	Core Paper II	Computer Graphics and Image Processing	6	5	3	25	75	100
	MPH8CS03	Elective I Paper III	<b>Paper on Individual Research Area</b>	6	5	3	25	75	100
II	MPH8CS04	Elective II	<b>Dissertation (To be choose According to Elective I)</b>	-	20	-	-	150	150
			Viva-Voce	-	-	-	-	50	50
<b>TOTAL</b>				-	<b>35</b>	-	<b>75</b>	<b>425</b>	<b>500</b>

COURSE STRUCTURE FOR M. Phil. HISTORY									
SEM	COURSE CODE	COURSE	COURSE TITLE	INS HRS./ WEEK	CREDIT	EXAM HRS.	MAX MARKS		
							IA	EXAM	TOTAL
I	MPH8HI01	Core Paper I	Research Methodology	6	5	3	25	75	100
	MPH8HI02	Core Paper II	Historiography	6	5	3	25	75	100
	MPH8HI03	Elective I Paper III	<b>Paper on Individual Research Area</b>	6	5	3	25	75	100
II	MPH8HI04	Elective II	<b>Dissertation (To be choose According to Elective I)</b>	-	20	-	-	150	150
			Viva-Voce	-	-	-	-	50	50
<b>TOTAL</b>				-	35	-	75	425	500

COURSE STRUCTURE FOR M. Phil. COMMERCE									
SEM	COURSE CODE	COURSE	COURSE TITLE	INS HRS./ WEEK	CREDIT	EXAM HRS	MAX MARKS		
							IA	EXAM	TOTAL
I	MPH8CO01	Core Paper I	Research Methodology	6	5	3	25	75	100
	MPH8CO02	Core Paper II	Advanced Financial Management	6	5	3	25	75	100
	MPH8CO03	Elective I Paper III	<b>Paper on Individual Research Area</b>	6	5	3	25	75	100
II	MPH8CO04	Elective II	<b>Dissertation (To be choose According to Elective I)</b>	-	20	-	-	150	150
			Viva-Voce	-	-	-	-	50	50
<b>TOTAL</b>				-	35	-	75	425	500

**General: (Applicable to ALL Programmes)**

Any other guidelines required for the above said Programmes, the Department / Candidate has to follow the Thiruvalluvar University regulations in force at that time or sought clarification from the Principal.

However any issue may be given suitable relaxation/ modification by the Principal on the recommendation of the Board of Studies / Board of Research / RDC / CDC based on the merit of the individual case, if it is justified with relevant documents.

**REGULATION**  
**CERTIFICATE/DIPLOMA COURSES**  
 (With effect from the academic year 2016-2017)

**1. Eligibility for Admission**

A candidate who has passed higher secondary examination and joined in any degree course in this College is eligible to undergo Certificate Programmes.

**2. Duration of the Course**

The certificate course is for a period of one to three months. The course subject and practicals will be conducted beyond the working hours of the College.

**3. Course of Study**

This Programme is envisaged to provide flexibility in choosing the combination of subjects without any limitation, identifying the local need based subjects, entering job market with gained skills in the respective discipline. The course of study consists of theory papers, Practical/Project/field work

**4. Scheme of Examination**

Course Code	Course Title	Duration of the Course	Exam.	Credits	Marks
BTCT01		1 MONTH	3 Hrs	1	100
ENCT01 TACT01 PYCT01 PYCT02 CHCT01 CHCT02 BICT01		3 MONTHS	3 Hrs	3	100
TADM01		6 MONTHS	3 Hrs	6	100

**Requirements to take the Examination:**

A candidate shall be permitted to take examination provided he secures 75% attendance in both theory and practical classes and must successfully complete the project work as prescribed

## 5. Practical/Project

Practical classes shall be designed in such a manner that a student acquires practical knowledge in handling, managing and practicing the tools, materials and equipment relating to the certificate courses. Project work will consist of an assignment in the subject area. Topics will be selected by the student and approved by programme coordinator.

## 6. Medium of Instruction

The medium of instruction and examination shall be English only.

## 7. Passing Minimum

A candidate shall be declared to have passed the paper, if he obtains a minimum of 40% of 100 marks (Theory + Practical/Projects).

Course	Maximum Marks
Theory	75
Practical/Project	25
Total	100

## 8. Question Paper Pattern:

Question paper pattern for the course shall be as follows:

- **Section – A** 10 Questions without choice of 2 marks each ( $10 \times 2 = 20$ )
- **Section – B** 5 out of 8 questions – 5 marks each ( $5 \times 5 = 25$ )
- **Section – C** 3 out of 5 questions – 10 marks each ( $3 \times 10 = 30$ )

**COURSE STRUCTURE FOR  
CERTIFICATE /DIPLOMA COURSES**  
(With effect from the academic year 2016-17 and 2017-2018)

**Department: ENGLISH**

COURSE CODE	COURSE TITLE	DURATION OF THE COURSE	CREDIT	TOTAL MARKS
ENCT01	<b>Certificate Course in Spoken English</b>	3 Months	3	100

**Department: TAMIL**

COURSE CODE	COURSE TITLE	DURATION OF THE COURSE	CREDIT	TOTAL MARKS
TACT01	<b>Certificate Course in “Introduction to General Tamil”</b>	3 Months	3	100
TADM01	<b>Diploma Course in “Introduction to Journalism”</b>	6 Months	6	100

**Department: MATHEMATICS**

**I. CERTIFICATE COURSE IN BIO-STATISTICS**

PAPER CODE	PAPER TITLE	DURATION OF THE COURSE	CREDIT	TOTAL MARKS
MSCT01	<b>Bio-Statistics-I</b>	3 Months	3	100
MSCT02	<b>Bio-Statistics-II</b>	3 Months	3	100

**II. CERTIFICATE COURSE IN DEVELOPMENT OF APTITUDE SKILLS**

PAPER CODE	PAPER TITLE	DURATION OF THE COURSE	CREDIT	TOTAL MARKS
MSCT03	<b>Development of Aptitude Skills</b>	3 Months	3	100

**III. CERTIFICATE COURSE IN ACTUARIAL MATHEMATICS**

PAPER CODE	PAPER TITLE	DURATION OF THE COURSE	CREDIT	TOTAL MARKS
MSCT04	<b>Actuarial Mathematics</b>	3 Months	3	100



#### IV. DIPLOMA IN OPERATIONS RESEARCH

PAPER CODE	PAPER TITLE	DURATION OF THE COURSE	CREDIT	TOTAL MARKS
MSDM01	<b>Operations Research-I</b>	6 Months	6	100
MSDM01	<b>Operations Research-II</b>	6 Months	6	100

#### Department: PHYSICS

COURSE CODE	COURSE TITLE	DURATION OF THE COURSE	CREDIT	TOTAL MARKS
PYCT01	<b>Certificate Course in Basic Electronics and Servicing of Home Appliances</b>	3 Months	3	100
PYCT02	<b>Certificate Course in Television &amp; Troubleshooting</b>	3 Months	3	100

#### Department: CHEMISTRY

COURSE CODE	COURSE TITLE	DURATION OF THE COURSE	CREDIT	TOTAL MARKS
CHCT01	<b>Certificate Course in Preparation of Domestic Products</b>	3 Months	3	100
CHCT02	<b>Certificate Course in Testing of Industrial Products</b>	3 Months	3	100

#### Department: BIOCHEMISTRY

COURSE CODE	COURSE TITLE	DURATION OF THE COURSE	CREDIT	TOTAL MARKS
BICT01	<b>Certificate Course in Mushroom Cultivation Techniques</b>	3 Months	3	100

#### Department: BIOTECHNOLOGY

COURSE CODE	COURSE TITLE	DURATION OF THE COURSE	CREDIT	TOTAL MARKS
BTCT01	<b>Certificate Course in Herbal Medicine</b>	One Month	1	100

**REGULATIONS FOR  
UNIVERSITY GRANTS COMMISSION SPONSORED  
CAREER ORIENTED CERTIFICATE COURSE  
IN  
E-COMMERCE & FOOTWEAR TECHNOLOGY**

**Semester System with Credits with effect from the year 2013 – 2014 onwards**

**1. Eligibility for Admission:**

Any student of the second and third year undergraduate course

**2. Duration of the Course:**

One academic year comprising of ninety working days spread over two semesters of forty five days each. Each semester shall have 120 hours out of which 90 hours shall be for theory classes and 10 hours each shall be allocated for practical classes, project work and field work.

**3. Course of the study**

The course of study shall be under semester pattern with credits. The course consists of one core paper, practical classes, project work and field work.

**4. Scheme of Examination:**

Semester	Course Code	Course Title	Teaching	Exam.	Credits	Marks
First	COECFT01	E-Commerce & Footwear Technology	120 Hrs.	3 Hrs.	5	100
Second	COEC FT02	E-Commerce & Footwear Technology	120 Hrs.	3 Hrs.	5	100

**Requirements to take the Examination:**

A candidate shall be permitted to take the examination provided they secure 75% attendance in both theory and practical classes and must successfully complete project work and field work as prescribed.

**5. Practical Classes:**

Practical classes shall be designed in such a manner that a student acquires practical knowledge in handling, managing and practicing the tools and equipments relating to the orientation courses.

**6. Project Work:**

Project work will consists of small assignments in the subject area. Topics will be selected by the students and approved by the faculty.

**7. Field work:**

Field work consists of industrial visits and observations designed to gain firsthand knowledge in the subject. It will be done either individually or in groups.

**8. Medium of instruction and Examination:**

The medium of instruction and examination of the candidate shall be English.

**9. Minimum Pass Marks:**

A candidate shall be declared to have passed the paper if he obtains minimum of 40 marks i.e. 25 from theory and 15 from practical and project work. The maximum and minimum marks for the course shall be as follows:

Course	Maximum Marks	Minimum Marks
Theory	75	25
Practical	10	15
Project	10	
Field Visits	5	
Total	100	40

**10. Question Paper Pattern:**

Question paper pattern for the course shall be as follows:

- Section – A 10 Questions without choice of 2 marks each (10X2=20)
- Section – B 5 out of 8 questions – 5 marks each (5X5=25)
- Section – C 3 out of 5 questions – 10 marks each (3X10=30)

**CERTIFICATE COURSE  
E – COMMERCE & FOOTWEAR TECHNOLOGY**

SEM	COURSE CODE	COURSE TITLE	INS HRS/ WEEK	CREDIT	EXAM HRS	MAX. MARKS		
						IA	EXAM	TOTAL
I	COECFT01	E-COMMERCE & FOOTWEAR TECHNOLOGY – PAPER I	120	5	3	25	75	100
II	COECFT02	E-COMMERCE & FOOTWEAR TECHNOLOGY – PAPER II	120	5	3	25	75	100
TOTAL			240	10	6	50	150	200

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