

# **ISLAMIAH COLLEGE (AUTONOMOUS)**

**Accredited by NAAC with “A” Grade in 3<sup>rd</sup> Cycle**

**[Affiliated to Thiruvalluvar University, Vellore]  
VANIYAMBADI – 635 752**

**(AIDED & SELF FINANCE)**

## **REGULATIONS & SCHEMES**



**VOLUME XIII**

**14<sup>th</sup> ACADEMIC COUNCIL MEETING**

**(For the UG & PG Candidates Admitted from 2020-2021)**

**30<sup>th</sup> JUNE 2021**

## 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. 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.A. (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 accredited by National Assessment and Accreditation Council (NAAC), Bangalore with “A” Grade in 3<sup>rd</sup> Cycle from February 2021. 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**  
**(CBCS PATTERN)**  
**(For the candidates admitted from 2020-2021)**

**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 180 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 at least 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:

**PART-I CORE COURSES** including interdisciplinary

**PART-II ELECTIVE COURSES** including Language and English

**PART-III ABILITY ENHANCEMENT COURSES –**

Environmental Studies, Value Education and Skill Enhancement Courses

#### 6. 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. The total marks for Extension Activities is 100, it is divided into 75 for External Activities (outside college campus) and 25 for Internal Activities (inside college campus) and passing minimum is 40%. It is not taken into account for calculating overall CGPA.

#### 7. Continuous Internal Assessment (CIA) Test

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

CIA Test I : Two or Three hour's duration for 75 marks

CIA Test II: Three hours duration for 75 marks

Marks Distribution	Theory & Practical
CIA Test Marks 150 to be converted to	10 Marks
Library Usage in Hours (Minimum 20 hours per Semester)	5 Marks
Assignment / Seminar / Observation	5 Marks
Attendance	5 Marks
<b>TOTAL</b>	<b>25 Marks</b>

Reg. No	Name	Test I - 75	Test II - 75	Total - 150	Marks converted	Library Usage Min. 20 hours	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

## 8. 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.

## 9. Requirements to take the End Semester Examinations

- 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.
- 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.

A candidate will be permitted to appear for Practical examinations only if they have attended 75% of the practical classes. A candidate who has secured attendance of less

than 65% but 55% and above is detained for that particular semester. He / She will be permitted to write the examinations in the next Odd / Even Semester by paying the prescribed condonation fee.

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

## 10. 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 180 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.

## 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
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.

## 12. Classification of Successful Candidates

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



Passed all the courses with CGPA 7.5 and above without any arrear	: First Class with Distinction
Passed all the courses with CGPA 6 to 7.4	: First Class
Passed all the courses with CGPA 5 to 5.9	: Second Class
Passed all the courses with CGPA 4 to 4.9	: Third Class

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

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

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

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

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

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

### 13. 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.

### 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 can appear for such papers in odd / even semester examination without any restrictions.

### 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 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.

#### **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 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 2015-16 will be permitted to appear for the examinations under this Regulation for a maximum period of **SIX** years. Thereafter, they will be permitted to appear for the examinations only under the new Regulations in force. The equivalent paper to be written will be decided by the Chairman of the respective Board of Studies. Such candidates have to reregister for the course. The fee for such re-registration will be as decided by the Governing Body from time to time.

#### **20. Apprenticeship / Internship / Project Report**

##### **Objectives:**

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

**General Provisions:**

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

**Duration:**

1. Any UG degree programme will have an option to embed at least one semester of apprenticeship/internship as part of the degree programme without altering the total duration of the programme.
2. The period of apprenticeship / internship training shall be of 90 hours duration apart from the regular teaching hours.
3. The HEIs shall have the flexibility to schedule apprenticeship/ internship within the course duration and hence the student may commence his apprenticeship / internship training from the IV Semester holidays onwards.
4. The spells of apprenticeship / internship shall be scheduled either continuously or at intervals depending upon the requirement and practicality of the discipline concerned.

**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 our University jurisdiction.

**Credit Mechanism:**

1. Credits for apprenticeship / internship programme shall be included in the total credits of the entire programme.
2. At least 20% of the total Credits for the degree programme should be assigned to apprenticeship / internship.

Programme	Duration	Credit	Total Marks	
Apprenticeship/Internship and Project Report	90 hours (Beyond Regular Teaching hours)	30	Viva	Project
			25	75

**Submission of Project Reports**

The projects for the UG degree programme may be an independent or a group. In case of group projects, a maximum of FIVE students 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.

#### **QUESTION PAPER PATTERN FOR UG COURSES**

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

**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**COURSE STRUCTURE FOR UG PROGRAMMES**  
**(CBCS PATTERN)**  
**(For the Candidates admitted from the academic year**  
**2020 – 2021)**

B.A. ENGLISH							
Semester	Part	Course Code	Course	Course Title	Hrs./ Week	Credit	Exam. Hrs.
I	EC	UAFUR101/ UAFAR101/ UAFHD101/ UAFTA101	Language 1	(To choose 1 out of 4) Urdu I/Arabic I / Hindi I/ Tamil I	6	5	3
	EC	UAFEN101	English 1	English I	4	4	3
	AEC	UAVED101	Value EDU	Value Education**	2	1	3
	AEC	UASKB101	Skill Based 1	Communicative English <sup>#</sup>	4	3	3
	CC	UAEN1001	Core 1	Indian Literature in English	7	6	3
	CC	UAENAL11	Allied 1	Allied - Literary Forms	7	6	3
	<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>-</b>
II	EC	UAFUR201/ UAFAR201/ UAFHD201/ UAFTA201	Language 2	(To choose 1 out of 4) Urdu II/Arabic II / Hindi II/Tamil II	6	5	3
	EC	UAFEN201	English 2	English II	6	5	3
	AEC	UASKB201	Skill Based 2	Professional English for Arts & Social Sciences <sup>#</sup>	4	3	3
	CC	UAEN2001	Core 2	Fiction	4	4	3
	CC	UAEN2002	Core 3	English Prose	3	3	3
	CC	UAENAL21	Allied 2	Allied – History of English Literature I [1350-1850]	4	3	3
	EC	UAENAL22	Allied 3	Allied - Social History of England	3	2	3
	<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>-</b>
III	EC	UAFUR301/ UAFAR301/ UAFHD301/ UAFTA301	Language 3	(To choose 1 out of 4) Urdu III/Arabic III / Hindi III/ Tamil III	4	4	3
	EC	UAFEN301	English 3	English III	6	5	3
	EC	UAURNM31/ UAARNM31/ UAHDNM31/ UATANM31	Non-Major Elective 1	(To choose 1 out of 4) Basic Urdu I/ Basic Arabic I/ Basic Hindi I/Ariviyal Tamil I	2	1	3
	AEC	UAENV301	ENV Studies	Environmental Studies <sup>#</sup>	2	1	3
	CC	UAEN3001	Core 4	English Drama	4	4	3
	CC	UAEN3002	Core 5	English Poetry	4	3	3
	CC	UAENAL31	Allied 4	Allied - History of English Literature II [1851-1950]	4	4	3
	AEC	UAENAL32	Allied 5	Allied - History of English Language	4	3	3
	<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>-</b>

IV	EC	UAFUR401/ UAFAR401/ UAFHD401/ UAFTA401	Language 4	<b>(To choose 1 out of 4)</b> Urdu IV/ Arabic IV/ Hindi IV/ Tamil IV	4	4	3
	EC	UAFEN401	English 4	English IV	6	5	3
	EC	UAURNM41/ UAARNM41/ UAHDNM41/ UATANM41	Non-Major Elective 2	<b>(To choose 1 out of 4)</b> Basic Urdu II/ Basic Arabic II/ Basic Hindi II/Ariviyal Tamil II	2	1	3
	CC	UAEN4001	Core 6	Shakespeare	5	5	3
	CC	UAEN4002	Core 7	American Literature	4	3	3
	CC	UAENAL41	Allied 6	Allied - An Introduction to American Culture	5	4	3
	AEC	UAENAL42	Allied 7	Allied - Computer Literacy	4	3	3
	<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>-</b>
V	CC	UAEN5001	Core 8	English Phonetics	5	5	3
	CC	UAEN5002	Core 9	English Language Teaching	5	5	3
	CC	UAEN5003	Core 10	African-American Literature	5	5	3
	CC	UAEN5004	Core 11	American Literary History	5	5	3
	CC	UAEN5005	Core 12	Introduction to Literary Criticism	4	2	3
	CC	UAENCE51/ UAENCE52	Core Based Elective 1	<b>(To choose 1 out of 2)</b> 1. 20 <sup>th</sup> Century Literature I 2. English for Communication	4	2	3
	AEC	UAENSE51/ UAENSE52	Skill Based Elective 1	<b>(To choose 1 out of 2)</b> 1. English for Competitive Examinations I 2. Business Writing in English	2	1	3
	<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>-</b>
VI	CC	UAEN6001	Core 13	20 <sup>th</sup> Century Literature II	5	5	3
	CC	UAEN6002	Core 14	Journalism and Mass Communication	5	5	3
	CC	UAEN6003	Core 15	Commonwealth Literature	5	5	3
	CC	UAEN6004	Core 16	Gender Studies	5	5	3
	CC	UAEN6005	Core 17	Creative Writing	4	2	3
	CC	UAENCE61/ UAENCE62	Core Based Elective 2	<b>(To choose 1 out of 2)</b> 1. Soft Skills 2. The Great Women Writers in World Literature	4	2	3
	AEC	UAENSE61/ UAENSE62	Skill Based Elective 2	<b>(To choose 1 out of 2)</b> 1. English for Competitive Examinations II 2. Nature Environment and Literature	2	1	3
	CC	UAENPJ61	Project	Apprenticeship / Internship / Project	90 <sup>a</sup>	30	3
	AEC	UAEXAC61	Ext. Activities	Extension Activities	40 <sup>a</sup>	-	-
	<b>TOTAL</b>				<b>30</b>	<b>55</b>	<b>-</b>
	<b>GRAND TOTAL</b>				<b>180</b>	<b>180</b>	

<sup>a</sup>The **90 hours** of Apprenticeship / Internship / Project and **40 hours** of Extension Activities shall be apart from the regular teaching hours. The Marks awarded for Extension Activity is not considered for Grand Total and CGPA.

COURSES	NO. OF COURSES
Language	4
English	4
Core	17
Core Practical	-
Allied	7
Allied Practical	-
Non- Major Elective	2
Skill Based	2
Core based Elective	2
Skill Based Elective	2
Value Education	1
Environmental Studies	1
Apprenticeship/Internship and Project Report	1
Extension Activities	1
<b>Total</b>	<b>44</b>

\*\*\*\*\*



B. A. HISTORY							
Sem.	Part	Course Code	Course	Course Title	Hrs./ Week	Credit	Exam. Hrs.
I	EC	UAFUR101/ UAFAR101/ UAFHD101/ UAFTA101	Language 1	(To choose 1 out of 4) Urdu I/Arabic I / Hindi I/ Tamil I	6	5	3
	EC	UAFEN101	English 1	English I	4	4	3
	AEC	UAVED101	Value EDU	Value Education**	2	1	3
	AEC	UASKB101	Skill Based 1	Communicative English <sup>#</sup>	4	3	3
	CC	UAHI1001	Core 1	History of India up to 712 A. D.	7	6	3
	CC	UAHIAL11	Allied 1	Allied - Introduction to Tourism	7	6	3
TOTAL					30	25	-
II	EC	UAFUR201/ UAFAR201/ UAFHD201/ UAFTA201	Language 2	(To choose 1 out of 4) Urdu II/Arabic II / Hindi II/ Tamil II	6	5	3
	EC	UAFEN201	English 2	English II	6	5	3
	AEC	UASKB201	Skill Based 2	Professional English for Arts & Social Sciences <sup>#</sup>	4	3	3
	CC	UAHI2001	Core 2	History of India from 712 A. D. to 1526 A. D.	4	4	3
	CC	UAHI2002	Core 3	History of Tamil Nadu up to 1336 A. D.	3	3	3
	CC	UAHIAL21	Allied 2	Allied - Tourism Resources of India	4	3	3
	EC	UAHIAL22	Allied 3	Allied - Intellectual History of Modern India	3	2	3
TOTAL					30	25	-
III	EC	UAFUR301/ UAFAR301/ UAFHD301/ UAFTA301	Language 3	(To choose 1 out of 4) Urdu III/Arabic III / Hindi III/ Tamil III	4	4	3
	EC	UAFEN301	English 3	English III	6	5	3
	EC	UAURNM31/ UAARNM31/ UAHDNM31/ UATANM31	Non- Major Elective 1	(To choose 1 out of 4) Basic Urdu I/ Basic Arabic I/ Basic Hindi I/Ariviyal Tamil I	2	1	3
	AEC	UAENV301	ENV Studies	Environmental Studies <sup>#</sup>	2	1	3
	CC	UAHI3001	Core 4	History of India from 1526 A. D. to 1707 A. D.	4	4	3
	CC	UAHI3002	Core 5	History of Tamil Nadu from 1336 A. D. to 1806 A.D.	4	3	3
	CC	UAHIAL31	Allied 4	Allied - Tourism in South India	4	4	3
	AEC	UAHIAL32	Allied 5	Allied - Studies on States and Governments	4	3	3
TOTAL					30	25	-

IV	EC	UAFUR401/ UAFAR401/ UAFHD401/ UAFTA401	Language 4	(To choose 1 out of 4) Urdu IV/ Arabic IV/ Hindi IV/ Tamil IV	4	4	3
	EC	UAFEN401	English 4	English IV	6	5	3
	EC	UAURNM41/ UAARNM41/ UAHDNM41/ UATANM41	Non- Major Elective 2	(To choose 1 out of 4) Basic Urdu II/ Basic Arabic II/ Basic Hindi II/Ariviyal Tamil II	2	1	3
	CC	UAHI4001	Core 6	History of India from 1707 A. D. to 1857 A. D.	5	5	3
	CC	UAHI4002	Core 7	History of Tamil Nadu from 1806 A. D. to 2010 A.D.	4	3	3
	CC	UAHIAL41	Allied 6	Allied - Travel Agency Management	5	4	3
	AEC	UAHIAL42	Allied 7	Allied - Constitutional History of India	4	3	3
TOTAL					30	25	-
V	CC	UAHI5001	Core 8	History of India from 1857 A. D. to 1947 A. D.	5	5	3
	CC	UAHI5002	Core 9	History of the Arabs from 500 A. D. to 750 A. D.	5	5	3
	CC	UAHI5003	Core 10	History of the USA from Colonization to 1865 A. D.	5	5	3
	CC	UAHI5004	Core 11	History of Europe from 1453 A. D. to 1789 A. D.	5	5	3
	CC	UAHI5005	Core 12	History of Japan from 1853A. D. to 2000A. D.	4	2	3
	CC	UAHICE51/ UAHICE52	Core Based Elective 1	(To choose 1 out of 2) 1. Select Constitutions (U.K., U.S.A. Switzerland, China, Japan) 2. Fundamentals of Defence and Strategic Studies	4	2	3
	AEC	UAHISE51/ UAHISE52	Skill Based Elective 1	(To choose 1 out of 2) 1. General Knowledge 2. Fundamentals of National Security	2	1	3
TOTAL					30	25	-
VI	CC	UAHI6001	Core 13	History of India from 1947 A. D. to 2014 A.D.	5	5	3
	CC	UAHI6002	Core 14	History of the Arabs from 750A. D. to 1258 A.D.	5	5	3
	CC	UAHI6003	Core 15	History of the USA from 1865 A. D. to 2014 A.D.	5	5	3
	CC	UAHI6004	Core 16	History of Europe from 1789 A.D. to 2000 A.D.	5	5	3
	CC	UAHI6005	Core 17	History of China from 1900 A. D. to 2000 A.D.	4	2	3
	CC	UAHICE61/ UAHICE62	Core Based Elective 2	(To choose 1 out of 2) 1. Muslims Contribution to Humanity 2. History of Science and Technology in India from 1750 A.D. to 1900 A.D	4	2	3
	AEC	UAHISE61/ UAHISE62	Skill Based Elective 2	(To choose 1 out of 2) 1. Competitive Examinations 2. History of Science and Technology in India from 1900 A.D. to 2000 A.D.	2	1	3
	CC	UAHIPJ61	Project	Apprenticeship / Internship / Project	90 <sup>a</sup>	30	3
	AEC	UAEXAC61	Ext. Activities	Extension Activities	40 <sup>a</sup>	-	-
	TOTAL					30	55
GRAND TOTAL					180	180	
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III] **Engaged by the Dept. of English and <sup>#</sup> Engaged by Major & Allied dept.							

<sup>a</sup>The **90 hours** of Apprenticeship / Internship / Project and **40 hours** of Extension Activities shall be apart from the regular teaching hours. The Marks awarded for Extension Activity is not considered for Grand Total and CGPA.

<b>COURSES</b>	<b>NO. OF COURSES</b>
Language	4
English	4
Core	17
Core Practical	-
Allied	7
Allied Practical	-
Non- Major Elective	2
Skill Based	2
Core based Elective	2
Skill Based Elective	2
Value Education	1
Environmental Studies	1
Apprenticeship/Internship and Project Report	1
Extension Activities	1
<b>Total</b>	<b>44</b>

B.C.A							
Sem.	Part	Course Code	Course	Course Title	Hrs./ Week	Credit	Exam. Hrs.
I	EC	UAFUR101/ UAFAR101/ UAFHD101/ UAFTA101	Language 1	(To choose 1 out of 4) Urdu I/Arabic I/Hindi I/ Tamil I	6	5	3
	EC	UAFEN101	English 1	English I	4	4	3
	AEC	UAVED101	Value EDU	Value Education**	2	1	3
	AEC	UASKB101	Skill Based 1	Communicative English <sup>#</sup>	4	3	3
	CC	UACC1001	Core 1	Digital Logic Fundamentals & Microprocessor	7	5	3
	CC	UACCAL11	Allied 1	Allied - Mathematical Foundation I	5	5	3
	EC		Allied Practical 1	Allied Practical 1 - Statistical Methods	2	0	-
		TOTAL			30	23	-
II	EC	UAFUR201/ UAFAR201/ UAFHD201/ UAFTA201	Language 2	(To choose 1 out of 4) Urdu II/Arabic II/Hindi II/ Tamil II	6	5	3
	EC	UAFEN201	English 2	English II	6	5	3
	AEC	UASKB203	Skill Based 2	Professional English for Physical Sciences <sup>#</sup>	4	3	3
	CC	UACC2001	Core 2	Programming in C	5	5	3
	CC	UACCPR21	Core Practical 1	Programming in C – Lab I	2	2	3
	CC	UACCAL21	Allied 2	Allied - Mathematical Foundation II	6	5	3
	EC	UACCAP21	Allied Practical 1	Allied Practical 1 - Statistical Methods	2	2	3
		TOTAL			30	27	-
III	CC	UACC3001	Core 3	C++ & Data Structures	5	4	3
	CC	UABC3002	Core 4	Web Technology	4	4	3
	CC	UACCPR31	Core Practical 2	C++ & Data Structures - Lab	4	3	3
	CC	UABCNM31/ UABCNM32	Non-Major Elective 1	(To Choose 1 out of 2) 1. Enterprise Resource Planning 2. Business Intelligence	4	4	3
	EC	UACCAL31	Allied 3	Allied - Computer Oriented Financial Accounting I	4	4	3
	EC	UACCAP31	Allied Practical 2	Allied Practical 2 – Computer Oriented Financial Accounting I	4	3	3
	AEC	UABCSB31	Skill Based Lab	Web Technology - Lab	3	2	3
	AEC	UAENV301	ENV Studies	Environmental Studies <sup>#</sup>	2	1	3
		TOTAL			30	25	-

IV	CC	UACC4001	Core 5	Programming in Java	4	3	3
	CC	UABC4002	Core 6	Data Mining and Data ware Housing	4	3	3
	CC	UABCNM41/ UABCNM42	Non-Major Elective 2	<b>(To Choose 1 out of 2)</b> 1. E-Commerce 2. Animation Techniques	5	5	3
	AEC	UABCSB41	Skill Based 4	Data Mining – Lab	5	4	3
	CC	UACCPR41	Core Practical 3	Programming in Java – Lab	4	4	3
	EC	UACCAL41	Allied 4	Allied - Computer Oriented Financial Accounting II	4	4	3
	EC	UACCAP41	Allied Practical 3	Allied practical 3 - Computer Oriented Financial Accounting	4	2	3
		TOTAL				30	25
V	CC	UACC5001	Core 7	Design and Analysis of Algorithm	5	5	3
	CC	UACC5002	Core 8	Database Management System	5	5	3
	CC	UACC5003	Core 9	Computer Networks	5	5	3
	CC	UACCPR51	Core Practical 4	Database Management System – Lab	4	2	3
	CC	UACCPR52	Core Practical 5	Computer Networks – Lab	4	2	3
	CC	UACCCE51/ UACCCE52	Core Based Elective 1	<b>(To Choose 1 out of 2)</b> 1. Software Engineering 2. Software Testing	5	5	3
	AEC	UACCSE51/ UACCSE52	Skill Based Elective 1	<b>(To Choose 1 out of 2)</b> 1. Mobile Application Development – Lab 2. Software Project Management	2	1	3
		TOTAL				30	25
VI	CC	UACC6001	Core 10	Computer Graphics and Multimedia	5	5	3
	CC	UACC6002	Core 11	Software Project – Case study	5	5	3
	CC	UACC6003	Core 12	Operating System	5	5	3
	CC	UACCPR61	Core Practical 6	Software Project & Viva Voce – Lab	4	2	3
	CC	UACCPR62	Core Practical 7	Unix & Operating System – Lab	4	2	3
	CC	UACCCE61/ UACCCE62	Core Based Elective 2	<b>(To Choose 1 out of 2)</b> 1. Machine learning with Python and R 2. Cloud Computing	5	5	3
	AEC	UACCSE61/ UACCSE62	Skill based Elective 2	<b>(To Choose 1 out of 2)</b> 1. Machine learning with Python and R – Lab 2. Artificial Neural Network.	2	1	3
	CC	UABCPJ61	Project	Apprenticeship / Internship / Project	90 <sup>a</sup>	30	3
	AEC	UAEXAC61	Ext. Activities	Extension Activities	40 <sup>a</sup>	-	-
		TOTAL				30	55
	GRAND TOTAL				180	180	
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III] **Engaged by the Dept. of English and <sup>#</sup> Engaged by Major & Allied dept.							

<sup>a</sup>The **90 hours** of Apprenticeship / Internship / Project and **40 hours** of Extension Activities shall be apart from the regular teaching hours. The Marks awarded for Extension Activity is not considered for Grand Total and CGPA.

<b>COURSES</b>	<b>NO. OF COURSES</b>
Language	2
English	2
Core	12
Core Practical	7
Allied	4
Allied Practical	3
Non- Major Elective	2
Skill Based	4
Core based Elective	2
Skill Based Elective	2
Value Education	1
Environmental Studies	1
Apprenticeship/Internship and Project Report	1
Extension Activities	1
<b>Total</b>	<b>44</b>

\*\*\*\*\*

BUSINESS ADMINISTRATION [BBA]							
Sem.	Part	Course Code	Course	Course Title	Hrs./ Week	Credit	Exam. Hrs.
I	EC	UAFUR101/ UAFAR101/ UAFHD101/ UAFTA101	Language 1	(To choose 1 out of 4) Urdu I/Arabic I / Hindi I/ Tamil I	6	5	3
	EC	UAFEN101	English 1	English I	4	4	3
	AEC	UAVED101	Value EDU	Value Education**	2	1	3
	AEC	UASKB101	Skill Based 1	Communicative English <sup>#</sup>	4	3	3
	CC	UABA1001	Core 1	Principles of Management	7	6	3
	CC	UABAAL11	Allied 1	Allied - Business Mathematics & Statistics I	7	6	3
	TOTAL				30	25	
II	EC	UAFUR201/ UAFAR201/ UAFHD201/ UAFTA201	Language 2	(To choose 1 out of 4) Urdu II/Arabic II / Hindi II/ Tamil II	6	5	3
	EC	UAFEN201	English 2	English II	6	5	3
	AEC	UASKB202	Skill Based 2	Professional English for Commerce and Management <sup>#</sup>	4	3	3
	CC	UABA2001	Core 2	Marketing Management	4	4	3
	CC	UABA2002	Core 3	Banking & Financial System	3	3	3
	EC	UABAAL21	Allied 2	Allied - Business Mathematics & Statistics II	4	3	3
	EC	UABAAL22	Allied 3	Allied - Consumer Behaviour	3	2	3
					30	25	-

III	CC	UABA3001	Core 4	Financial Accounting	4	4	3
	CC	UABA3002	Core 5	Human Resource Management	4	4	3
	CC	UABA3003	Core 6	Financial Management	4	4	3
	CC	UABANM31/ UABANM32	Non-Major Elective 1	(To Choose 1 out of 2) 1.E-Business 2.Principles of Insurance	4	3	3
	EC	UABAAL31	Allied 4	Allied - Managerial Economics	4	3	3
	EC	UABAAL32	Allied 5	Allied - Total Quality Management	4	3	3
	AEC	UABASBP3	Skill Based 3 (Practical)	Tally – Basics (Practical)	4	3	3
	AEC	UAENV301	ENV Studies	Environmental Studies <sup>#</sup>	2	1	3
	TOTAL				30	25	-

IV	CC	UABA4001	Core 7	Management Accounting	5	5	3
	CC	UABA4002	Core 8	Business Organisation & Environment	4	3	3
	CC	UABA4003	Core 9	Production & Materials Management	5	4	3
	CC	UABANM41/ UABANM42	Non-Major Elective 2	(To Choose 1 out of 2) 1.Training & Development 2.Management Information System	4	3	3
	EC	UABAAL41	Allied 6	Allied - Organisational Behaviour	4	4	3
	EC	UABAAL42	Allied 7	Allied - Operations Research	4	4	3
	AEC	UABASBP4	Skill Based 4 (Practical)	Tally – Advanced (Practical)	4	2	3
		TOTAL				30	25
V	CC	UABA5001	Core 10	Business Law	5	5	3
	CC	UABA5002	Core 11	Cost Accounting	5	5	3
	CC	UABA5003	Core 12	Entrepreneurial Development	5	5	3
	CC	UABA5004	Core 13	International Business & Exports Management	5	5	3
	CC	UABA5005	Core 14	Strategic Management	4	2	3
	CC	UABACE51/ UABACE52	Core Based Elective 1	(To Choose 1 out of 2) 1.Retail Management 2.Time Management	4	2	3
	AEC	UABASE51/ UABASE52	Skill Based Elective 1	(To Choose 1 out of 2) 1.Ms Office - Basics– Practical 2.SPSS - Basics	2	1	3
		TOTAL				30	25
VI	CC	UABA6001	Core 15	Marketing Research	5	5	3
	CC	UABA6002	Core 16	Advertising & Salesmanship	5	5	3
	CC	UABA6003	Core 17	Company Law	5	5	3
	CC	UABA6004	Core18	Industrial Relations	4	2	3
	CC	UABA6005	Core 19	Digital Marketing	4	2	3
	CC	UABACE61/ UABACE62	Core Based Elective 2	(To Choose 1 out of 2) 1.Business Taxation 2.Change Management	5	5	3
	AEC	UABASE61/ UABASE62	Skill based Elective 2	(To Choose 1 out of 2) 1.Ms Office - Advanced – Practical 2.SPSS - Advanced	2	1	3
	CC	UABAPJ61	Project	Apprenticeship / Internship / Project	90 <sup>a</sup>	30	3
	AEC	UAEXAC61	Ext. Activities	Extension Activities	40 <sup>a</sup>	-	-
		TOTAL				30	55
	GRAND TOTAL				180	180	
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III] **Engaged by the Dept. of English and <sup>#</sup> Engaged by Major & Allied dept.							

<sup>a</sup>The **90 hours** of Apprenticeship / Internship / Project and **40 hours** of Extension Activities shall be apart from the regular teaching hours. The Marks awarded for Extension Activity is not considered for Grand Total and CGPA.



<b>COURSES</b>	<b>NO. OF COURSES</b>
Language	2
English	2
Core	19
Core Practical	-
Allied	7
Allied Practical	-
Non- Major Elective	2
Skill Based	4
Core based Elective	2
Skill Based Elective	2
Value Education	1
Environmental Studies	1
Apprenticeship/Internship and Project Report	1
Extension Activities	1
<b>Total</b>	<b>44</b>

\*\*\*\*\*

B.COM.							
Sem.	Part	Course Code	Course	Course Title	Hrs./ Week	Credit	Exam. Hrs.
I	EC	UAFUR101/ UAFAR101/ UAFHD101/ UAFTA101	Language 1	(To choose 1 out of 4) Urdu I/Arabic I / Hindi I/ Tamil I	6	5	3
	EC	UAFEN101	English 1	English I	4	4	3
	AEC	UAVED101	Value EDU	Value Education**	2	1	3
	AEC	UASKB101	Skill Based 1	Communicative English <sup>#</sup>	4	3	3
	CC	UACO1001	Core 1	Financial Accounting I	7	6	3
	EC	UACOAL11	Allied 1	Allied - Business Economics	7	6	3
	TOTAL				30	25	-
II	EC	UAFUR201/ UAFAR201/ UAFHD201/ UAFTA201	Language 2	(To choose 1 out of 4) Urdu II/Arabic II / Hindi II/ Tamil II	6	5	3
	EC	UAFEN201	English 2	English II	6	5	3
	AEC	UASKB202	Skill Based 2	Professional English for Commerce and Management <sup>#</sup>	4	3	3
	CC	UACO2001	Core 2	Financial Accounting II	4	4	3
	CC	UACO2002	Core 3	Business Organisation	3	3	3
	CC	UACOAP21	Allied Practical 1	Allied - Computer Applications in Business - Lab	5	1	3
	EC	UACOAL21	Allied 2	Allied - E- Commerce	2	4	3
	TOTAL				30	25	-
III	CC	UACO3001	Core 4	Corporate Accounting I	4	4	3
	CC	UACO3002	Core 5	Modern Marketing	4	4	3
	CC	UACO3003	Core 6	Business Management	4	4	3
	CC	UACONM31/ UACONM32	Non-Major Elective 1	(To Choose 1 out of 2) 1. Business Regulatory Framework 2. Retail Management	4	3	3
	EC	UACOAL31	Allied 3	Allied - Business Statistics and Operations Research I	4	3	3
	EC	UACOAL32	Allied 4	Allied - Goods and Services Tax	4	3	3
	AEC	UACOSBP3	Skill Based 3 (Practical)	Practical - Computerised Accounting - I	4	3	3
	AEC	UAENV301	ENV Studies	Environmental Studies <sup>#</sup>	2	1	3
	TOTAL				30	25	-

IV	CC	UACO4001	Core 7	Corporate Accounting II	5	5	3
	CC	UACO4002	Core 8	Company Law and Secretarial Practice	4	4	3
	CC	UACO4003	Core 9	Strategic Management	4	4	3
	CC	UACONM41/ UACONM42	Non-Major Elective 2	<b>(To Choose 1 out of 2)</b> 1. Professional Ethics 2. Consumer Protection Act	4	3	3
	EC	UACOAL41	Allied 5	Allied - Business Statistics and Operations Research II	5	4	3
	EC	UACOAL42	Allied 6	Allied - Leadership and Team Development	4	3	3
	AEC	UACOSBP4	Skill Based 4 (Practical)	Practical - Computerised Accounting II	4	2	3
		TOTAL				30	25
V	CC	UACO5001	Core 10	Cost Accounting I	5	5	3
	CC	UACO5002	Core 11	Management Accounting I	5	5	3
	CC	UACO5003	Core 12	Income Tax Law and Practice I	5	5	3
	CC	UACO5004	Core 13	Practical Auditing	5	5	3
	CC	UACO5005	Core 14	Banking System and Practices	4	2	3
	CC	UACOCE51/ UACOCE52	Core Based Elective 1	<b>(To Choose 1 out of 2)</b> 1. Human Resource Management 2. Corporate Governance	4	2	3
	AEC	UACOSE51/ UACOSE52	Skill Based Elective 1	<b>(To Choose 1 out of 2)</b> 1. Employability skills 2. Customer Relationship Management	2	1	3
		TOTAL				30	25
VI	CC	UACO6001	Core 15	Cost Accounting II	5	5	3
	CC	UACO6002	Core 16	Management Accounting II	5	5	3
	CC	UACO6003	Core 17	Income Tax Law and Practice II	5	5	3
	CC	UACO6004	Core 18	Financial Management	5	5	3
	CC	UACO6005	Core 19	Entrepreneurial Development	4	2	3
	CC	UACOCE61/ UACOCE62	Core Based Elective 2	<b>(To Choose 1 out of 2)</b> 1. Financial Services 2. Corporate Finance	4	2	3
	CC	UACOSE61/ UACOSE62	Skill based Elective 2	<b>(To Choose 1 out of 2)</b> 1. Commerce Practical 2. Digital Marketing	2	1	3
	AEC	UACOPJ61	Project	Apprenticeship / Internship / Project	90 <sup>a</sup>	30	3
	AEC	UAEXAC61	Ext. Activities	Extension Activities	40 <sup>a</sup>	-	-
		TOTAL				30	55
		GRAND TOTAL			180	180	
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III] **Engaged by the Dept. of English and <sup>#</sup> Engaged by Major & Allied dept.							

<sup>a</sup>The 90 hours of Apprenticeship / Internship / Project and 40 hours of Extension Activities shall be apart from the regular teaching hours. The Marks awarded for Extension Activity is not considered for Grand Total and CGPA.

<b>COURSES</b>	<b>NO. OF COURSES</b>
Language	2
English	2
Core	19
Core Practical	-
Allied	6
Allied Practical	1
Non- Major Elective	2
Skill Based	4
Core based Elective	2
Skill Based Elective	2
Value Education	1
Environmental Studies	1
Apprenticeship/Internship and Project Report	1
Extension Activities	1
<b>Total</b>	<b>44</b>

\*\*\*\*\*

B.Com. [COMPUTER APPLICATIONS]							
Sem.	Part	Course Code	Course	Course Title	Hrs. / Week	Credit	Exam. Hrs.
I	EC	UAFUR101/ UAFAR101/ UAFHD101/ UAFTA101	Language 1	(To choose 1 out of 4) Urdu I/Arabic I/Hindi I/ Tamil I	6	5	3
	EC	UAFEN101	English 1	English I	4	4	3
	AEC	UAVED101	Value EDU	Value Education**	2	1	3
	AEC	UASKB101	Skill Based 1	Communicative English <sup>#</sup>	4	3	3
	CC	UACA1001	Core 1	Financial Accounting I	7	6	3
	EC	UACAAL11	Allied 1	Allied - Information Technology in Business	7	6	3
	<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>-</b>
II	EC	UAFUR201/ UAFAR201/ UAFHD201/ UAFTA201	Language 2	(To choose 1 out of 4) Urdu II/Arabic II/Hindi II/ Tamil II	6	5	3
	EC	UAFEN201	English 2	English II	6	5	3
	AEC	UASKB202	Skill Based 2	Professional English for Commerce and Management <sup>#</sup>	4	3	3
	CC	UACA2001	Core 2	Financial Accounting II	4	4	3
	CC	UACA2002	Core 3	Functional Management	3	3	3
	EC	UACAAL21	Allied 2	Allied - Managerial Economics	5	4	3
	EC	UACAAP21	Allied Practical 1	Allied - Computer Applications in Business -Lab	2	1	3
	<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>-</b>
III	CC	UACA3001	Core 4	Advanced Accounting I	4	4	3
	CC	UACA3002	Core 5	Statistics with Computer Applications I	4	4	3
	CC	UACA3003	Core 6	Legal Framework for Business	4	4	3
	CC	UACANM31/ UACANM32	Non-Major Elective 1	(To Choose 1 out of 2) 1. Indian Constitution 2. Computerised Financial Management	4	3	3
	EC	UACAAP31	Allied Pract. 2	Allied - DBMS – Lab	4	3	3
	EC	UACAAL31	Allied 3	Allied - Management Information System (MIS)	4	3	3
	AEC	UACASB31	Skill Based 3	Insurance in Digital Era	4	3	3
	AEC	UAENV301	ENV Studies	Environmental Studies <sup>#</sup>	2	1	3
	<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>-</b>

IV	CC	UACA4001	Core 7	Advanced Accounting II	5	5	3
	CC	UACA4002	Core 8	Statistics with Computer Applications II	4	4	3
	CC	UACA4003	Core 9	Corporate Laws	4	4	3
	CC	UACANM41/ UACANM42	Non-Major Elective 2	<b>(To Choose 1 out of 2)</b> 1.Digital Marketing 2.Business Environment and Ethics	4	3	3
	EC	UACAAP41	Allied Practical 3	Spread sheet Applications – Lab	5	4	3
	EC	UACAAL41	Allied 4	Enterprise Resource Planning (ERP)	4	3	3
	AEC	UACASB41	Skill Based 4	Operations Research and Its Applications	4	2	3
		TOTAL				30	25
V	CC	UACA5001	Core 10	Accounting for Decision Making I	5	5	3
	CC	UACA5002	Core 11	Tax Planning in Digital Era	5	5	3
	CC	UACA5003	Core 12	Digital Auditing	5	5	3
	CC	UACA5004	Core 13	Computer Application in Finance & Investment	5	5	3
	CC	UACAPR51	Core Practical 1	Accounting Software (Tally ERP.9) Lab	4	2	3
	CC	UACACE51/ UACACE52	Core Based Elective 1	<b>(To Choose 1 out of 2)</b> 1.Banking with Information Technology 2.Logistics & Supply Chain Management	4	2	3
	AEC	UACASE51/ UACASE52	Skill Based Elective 1	<b>(To Choose 1 out of 2)</b> 1.Basic Numerical Skills 2.Customer Relationship Management.	2	1	3
		TOTAL				30	25
VI	CC	UACA6001	Core 14	Accounting for Decision Making II	5	5	3
	CC	UACA6002	Core 15	Indirect Taxation with Digital Tools	5	5	3
	CC	UACA6003	Core 16	Computerized Human Resources Management	5	5	3
	CC	UACA6004	Core 17	Entrepreneurship in Digital India	4	2	3
	CC	UACAPR61	Core Practical 2	Project Management – Lab	5	5	3
	CC	UACACE61/ UACACE62	Core Based Elective 2	<b>(To Choose 1 out of 2)</b> 1.E-Commerce and Applications 2.International Business	4	2	3
	AEC	UACASE61/ UACASE62	Skill Based Elective 2	<b>(To Choose 1 out of 2)</b> 1.Quantitative Techniques 2.Basic Mobile Computing	2	1	3
	CC	UACAPJ61	Project	Apprenticeship / Internship / Project	90 <sup>a</sup>	30	3
	AEC	UAEXAC61	Ext. Activities	Extension Activities	40 <sup>a</sup>	-	3
						30	55
		GRAND TOTAL			180	180	
	CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III] **Engaged by the Dept. of English and <sup>#</sup> Engaged by Major & Allied dept.						

<sup>a</sup>The **90 hours** of Apprenticeship / Internship / Project and **40 hours** of Extension Activities shall be apart from the regular teaching hours. The Marks awarded for Extension Activity is not considered for Grand Total and CGPA.

<b>COURSES</b>	<b>NO. OF COURSES</b>
Language	2
English	2
Core	17
Core Practical	2
Allied	4
Allied Practical	3
Non- Major Elective	2
Skill Based	4
Core based Elective	2
Skill Based Elective	2
Value Education	1
Environmental Studies	1
Apprenticeship/Internship and Project Report	1
Extension Activities	1
<b>Total</b>	<b>44</b>

\*\*\*\*\*

B.Com. [FINANCE & ACCOUNTS]							
Sem.	Part	Course Code	Course	Course Title	Hrs./Week	Credit	Exam. Hrs.
I	EC	UAFUR101/ UAFAR101/ UAFHD101/ UAFTA101	Language 1	(To choose 1 out of 4) Urdu I/Arabic I / Hindi I/ Tamil I	6	5	3
	EC	UAFEN101	English 1	English I	4	4	3
	AEC	UAVED101	Value EDU	Value Education**	2	1	3
	AEC	UASKB101	Skill Based 1	Communicative English <sup>#</sup>	4	3	3
	CC	UAFA1001	Core 1	Financial Accounting I	7	6	3
	CC	UAFAAL11	Allied 1	Allied - Indian Economy	7	6	3
	<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>-</b>
II	EC	UAFUR201/ UAFAR201/ UAFHD201/ UAFTA201	Language 2	(To choose 1 out of 4) Urdu II/Arabic II / Hindi II/ Tamil II	6	5	3
	EC	UAFEN201	English 2	English II	6	5	3
	AEC	UASKB202	Skill Based 2	Professional English for Commerce and Management <sup>#</sup>	4	3	3
	CC	UAFA2001	Core 2	Financial Accounting II	4	4	3
	CC	UAFA2002	Core 3	Financial Markets	3	3	3
	EC	UAFAAL21	Allied 2	Allied - Business Law	4	3	3
	EC	UAFAAL22	Allied 3	Allied - Goods and Services Tax	3	2	3
	<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>-</b>
III	CC	UAFA3001	Core 4	Corporate Accounting I	4	4	3
	CC	UAFA3002	Core 5	Banking Theory Law & Practice	4	4	3
	CC	UAFA3003	Core 6	Business Economics I	4	4	3
	CC	UAFANM31/ UAFANM32	Non-Major Elective 1	(To Choose 1 out of 2) 1. Insurance and Risk Management 2. Personal Finance and Planning	4	3	3
	EC	UAFAAL31	Allied 4	Allied - Business Statistics I	4	3	3
	EC	UAFAAL32	Allied 5	Allied - Industrial Law	4	3	3
	AEC	UAFASB31	Skill Based 3	E-Commerce	4	3	3
	AEC	UAENV301	ENV Studies	Environmental Studies <sup>#</sup>	2	1	3
	<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>-</b>



IV	CC	UAFA4001	Core 7	Corporate Accounting II	5	5	3	
	CC	UAFA4002	Core 8	Business Management	4	3	3	
	CC	UAFA4003	Core 9	Business Economics II	4	4	3	
	CC	UAFANM41/ UAFANM42	Non-Major Elective 2	<b>(To Choose 1 out of 2)</b> 1. Entrepreneurial Development 2. Digital Marketing.	4	4	3	
	EC	UAFAAL41	Allied 6	Business Statistics II	5	4	3	
	EC	UAFAAL42	Allied 7	Business Research Methods	4	3	3	
	AEC	UAFASB41	Skill Based 4	Computer Applications in Business	4	2	3	
		TOTAL				30	25	-
V	CC	UAFA5001	Core 10	Cost Accounting-I	5	5	3	
	CC	UAFA5002	Core 11	Management Accounting	5	5	3	
	CC	UAFA5003	Core 12	Income Tax Law & Practice-I	5	5	3	
	CC	UAFA5004	Core 13	Computerised Accounting System-Tally	5	5	3	
	CC	UAFA5005	Core 14	Marketing Management	4	2	3	
	CC	UAFACE51/ UAFACE52	Core Based Elective 1	<b>(To Choose 1 out of 2)</b> 1. Human Resource Management 2. Project Management	4	2	3	
	AEC	UAFASE51/ UAFASE52	Skill Based Elective 1	<b>(To Choose 1 out of 2)</b> 1. Business Environment 2. Training and Development	2	1	3	
		TOTAL				30	25	-
VI	CC	UAFA6001	Core 15	Cost Accounting-II	5	5	3	
	CC	UAFA6002	Core 16	Financial Management	5	5	3	
	CC	UAFA6003	Core 17	Income Tax Law & Practice-II	5	5	3	
	CC	UAFA6004	Core 18	Practical Auditing	4	2	3	
	CC	UAFAPR61	Core Practical	E-filing of Returns	5	5	3	
	CC	UAFACE61/ UAFACE62	Core Based Elective 2	<b>(To Choose 1 out of 2)</b> 1. Company Law 2. Investment Management	4	2	3	
	AEC	UAFASE61/ UAFASE62	Skill based Elective 2	<b>(To Choose 1 out of 2)</b> 1. Financial Reporting and Analysis 2. Finance for Non-finance Executives	2	1	3	
	CC	UAFAPJ61	Project	Apprenticeship / Internship / Project	90 <sup>a</sup>	30	3	
	AEC	UAEXAC61	Ext. Activities	Extension Activities	40 <sup>a</sup>	-	-	
		TOTAL				30	55	-
		GRAND TOTAL				180	180	
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III] **Engaged by the Dept. of English and <sup>#</sup> Engaged by Major & Allied dept.								

<sup>a</sup>The **90 hours** of Apprenticeship / Internship / Project and **40 hours** of Extension Activities shall be apart from the regular teaching hours. The Marks awarded for Extension Activity is not considered for Grand Total and CGPA.

<b>COURSES</b>	<b>NO. OF COURSES</b>
Language	2
English	2
Core	18
Core Practical	1
Allied	7
Allied Practical	-
Non- Major Elective	2
Skill Based	4
Core based Elective	2
Skill Based Elective	2
Value Education	1
Environmental Studies	1
Apprenticeship/Internship and Project Report	1
Extension Activities	1
<b>Total</b>	<b>44</b>

\*\*\*\*\*

B.Sc. MATHEMATICS							
Sem.	Part	Course Code	Course	Course Title	Hrs./ Week	Credit	Exam. Hrs.
I	EC	UAFUR101/ UAFAR101/ UAFHD101/ UAFTA101	Language 1	(To choose 1 out of 4) Urdu I/Arabic I/ Hindi I/ Tamil I	6	5	3
	EC	UAFEN101	English 1	English I	4	4	3
	AEC	UAVED101	Value EDU	Value Education**	2	1	3
	AEC	UASKB101	Skill based 1	Communicative English <sup>#</sup>	4	3	3
	CC	UAMS1001	Core 1	Algebra and Trigonometry	5	5	3
	CC		Core Practical 1	Computational Mathematics - Lab	2	0	-
	CC	UAMSAL11 / UAMSAL12	Allied 1	(To choose 1 out of 2) 1.Allied - Numerical Analysis I 2.Allied Physics I	5	5	3
	EC		Allied Practical 1	(To choose 1 out of 2) 1.Allied - Numerical Lab 2.Allied Physics Practical	2	0	-
TOTAL					30	23	-
II	EC	UAFUR201/ UAFAR201/ UAFHD201/ UAFTA201	Language 2	(To choose 1 out of 4) Urdu II/Arabic II/Hindi II/ Tamil II	6	5	3
	EC	UAFEN201	English 2	English II	6	5	3
	AEC	UASKB203	Skill Based 2	Professional English for Physical Sciences <sup>#</sup>	4	3	3
	CC	UAMS2001	Core 2	Calculus and Geometry	5	5	3
	CC	UAMSPR21	Core Practical 1	Computational Mathematics - Lab	2	2	3
	CC	UAMSAL21 / UAMSAL22	Allied 2	(To choose 1 out of 2) 1.Allied - Numerical Analysis II 2.Allied Physics II	5	5	3
	EC	UAMSAP21 / UAMSAP22	Allied Practical 1	(To choose 1 out of 2) 1.Allied - Numerical Lab 2.Allied Physics Practical	2	2	3
	TOTAL				30	27	-
III	EC	UAFUR301/ UAFAR301/ UAFHD301/ UAFTA301	Language 3	(To choose 1 out of 4) Urdu III /Arabic III/ Hindi III/Tamil III	4	4	3
	EC	UAFEN301	English 3	English III	6	5	3
	EC	UAURNM31/ UAARNM31/ UAHDNM31/ UATANM31	Non-Major Elective1	(To choose 1 out of 4) Basic Urdu I/ Basic Arabic I/ Basic Hindi I/Ariviyal Tamil I	2	1	3
	AEC	UAENV301	ENV Studies	Environmental Studies <sup>#</sup>	2	1	3
	CC	UAMS3001	Core 3	Ordinary and Partial Differential Equations	5	5	3
	CC	UAMS3002	Core 4	Vector Analysis & Z-Transforms	3	3	3
	CC	UAMSAL31	Allied 3	Allied Statistics I	6	5	3
	AEC	UAMSAP31	Allied Practical 2	Allied Practical - Computational Statistics I	2	1	3
	TOTAL				30	25	-

IV	EC	UAFUR401/ UAFAR401/ UAFHD401/ UAFTA401	Language 4	(To choose 1 out of 4) Urdu IV /Arabic IV /Hindi IV/ Tamil IV	4	4	3
	EC	UAFEN401	English 4	English IV	6	5	3
	EC	UAURNM41/ UAARNM41/ UAHDNM41/ UATANM41	Non Major Elective 2	(To choose 1 out of 4) Basic Urdu II/ Basic Arabic II/ Basic Hindi II/Ariviyal Tamil II	2	1	3
	CC	UAMS4001	Core 5	Fourier Series & Fourier Transform	5	5	3
	CC	UAMS4002	Core 6	Mathematical Transforms	4	3	3
	CC	UAMSAL41	Allied 4	Allied Statistics II	7	6	3
	AEC	UAMSAP41	Allied Practical 3	Allied Practical - Computational Statistics II	2	1	3
		TOTAL				30	25
V	CC	UAMS5001	Core 7	Modern Algebra I	5	4	3
	CC	UAMS5002	Core 8	Real Analysis I	5	4	3
	CC	UAMS5003	Core 9	Complex Analysis I	5	4	3
	CC	UAMS5004	Core 10	Statistics	5	4	3
	EC	UAMS5005	Core 11	Operations Research I	4	4	3
	CC	UAMSCE51/ UAMSCE52	Core based Elective 1	(To choose 1 out of 2) 1.Graph Theory 2.Introduction to Fuzzy Sets	3	4	2
	AEC	UAMSSE51/ UAMSSE52	Skill Based Elective 1	(To choose 1 out of 2) 1.Financial Mathematics 2.Astronomy	2	1	3
		TOTAL				30	25
VI	CC	UAMS6001	Core 12	Modern Algebra II	5	4	3
	CC	UAMS6002	Core 13	Real Analysis II	5	4	3
	CC	UAMS6003	Core 14	Complex Analysis II	5	4	3
	CC	UAMS6004	Core 15	Dynamics	5	4	3
	CC	UAMS6005	Core 16	Mathematics for Competitive Examinations	4	4	3
	CC	UAMSCE61/ UAMSCE62	Core based Elective 2	(To choose 1 out of 2) 1.Operations Research II 2.Programming in C++ : Theory	3	4	2
	CC	UAMSSE61/ UAMSSE62	Skill Based Elective 2	(To choose 1 out of 2) 1.Latex - Lab 2.Programming in C++ : Practical	2	1	3
	CC	UAMSPJ61	Project	Apprenticeship / Internship / Project	90 <sup>a</sup>	30	3
	AEC	UAEXAC61	Ext. Activities	Extension Activities	40 <sup>a</sup>	-	-
		TOTAL				30	55
GRAND TOTAL					180	180	
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III] **Engaged by the Dept. of English and <sup>#</sup> Engaged by Major & Allied dept.							

<sup>a</sup>The **90 hours** of Apprenticeship / Internship / Project and **40 hours** of Extension Activities shall be apart from the regular teaching hours. The Marks awarded for Extension Activity is not considered for Grand Total and CGPA.

<b>COURSES</b>	<b>NO. OF COURSES</b>
Language	4
English	4
Core	16
Core Practical	1
Allied	4
Allied Practical	3
Non- Major Elective	2
Skill Based	2
Core based Elective	2
Skill Based Elective	2
Value Education	1
Environmental Studies	1
Apprenticeship/Internship and Project Report	1
Extension Activities	1
<b>Total</b>	<b>44</b>

\*\*\*\*\*

B.Sc. PHYSICS							
Sem.	Part	Course Code	Course	Course Title	Hrs./ Week	Credit	Exam. Hrs.
I	EC	UAFUR101/ UAFAR101/ UAFHD101/ UAFTA101	Language 1	(To choose 1 out of 4) Urdu I/Arabic I / Hindi I/ Tamil I	6	5	3
	EC	UAFEN101	English 1	English I	4	4	3
	AEC	UAVED101	Value EDU	Value Education**	2	1	3
	AEC	UASKB101	Skill based 1	Communicative English <sup>#</sup>	4	3	3
	CC	UAPY1001	Core 1	Properties of Matter and Acoustics	5	5	3
	CC		Core Practical 1	Physics Practical I	2	0	-
	CC	UAPYAL11	Allied 1	Allied Chemistry I	5	5	3
	EC		Allied Practical 1	Allied Chemistry Practical	2	0	-
	TOTAL				30	23	
II	EC	UAFUR201/ UAFAR201/ UAFHD201/ UAFTA201	Language 2	(To choose 1 out of 4) Urdu II/Arabic II / Hindi II/ Tamil II	6	5	3
	EC	UAFEN201	English 2	English II	6	5	3
	AEC	UASKB203	Skill based 2	Professional English for Physical Sciences <sup>#</sup>	4	3	3
	CC	UAPY2001	Core 2	Thermal Physics	5	5	3
	CC	UAPYPR21	Core Practical 1	Physics Practical I	2	2	3
	CC	UAPYAL21	Allied 2	Allied Chemistry II	5	5	3
	EC	UAPYAP21	Allied Practical 1	Allied Chemistry Practical	2	2	3
	TOTAL				30	27	-
III	EC	UAFUR301/ UAFAR301/ UAFHD301/ UAFTA301	Language 3	(To choose 1 out of 4) Urdu III/Arabic III / Hindi III/ Tamil III	4	4	3
	EC	UAFEN301	English 3	English III	6	5	3
	EC	UAURNM31/ UAARNM31/ UAHDNM31/ UATANM31	Non-Major 1	(To choose 1 out of 4) Basic Urdu-I/ Basic Arabic I/ Basic Hindi I/Ariviyal Tamil I	2	1	3
	AEC	UAENV301	ENV Studies	Environmental Studies <sup>#</sup>	2	1	3
	CC	UAPY3001	Core 3	Classical Mechanics	5	5	3
	CC	UAPYPR31	Core Pract. 2	Physics Practical II	3	3	3
	CC	UAPYAL31	Allied 3	Allied Mathematics I	6	5	3
	AEC	UAPYAP31	Allied Practical 2	Allied Practical - Mathematical Statistics I	2	1	3
	TOTAL				30	25	-

IV	EC	UAFUR401/ UAFAR401/ UAFHD401/ UAFTA401	Language 4	(To choose 1 out of 4) Urdu IV / Arabic IV / Hindi IV / Tamil IV	4	4	3	
	EC	UAURNM41/ UAARNM41/ UAHDNM41/ UATANM41	Non- Major 2	(To choose 1 out of 4) Basic Urdu-II/ Basic Arabic II/ Basic Hindi II/ Ariviyal Tamil II	2	1	3	
	EC	UAFEN401	English 4	English IV	6	5	3	
	CC	UAPY4001	Core 4	Optics	5	5	3	
	CC	UAPYPR41	Core Pract. 3	Physics Practical III	4	3	3	
	CC	UAPYAL41	Allied 4	Allied Mathematics II	7	6	3	
	AEC	UAPYAP41	Allied Practical 3	Allied Practical - Mathematical Statistics II	2	1	3	
		TOTAL				30	25	-
V	CC	UAPY5001	Core 5	Electricity and Electromagnetism	5	5	3	
	CC	UAPY5002	Core 6	Atomic Physics	5	5	3	
	CC	UAPY5003	Core 7	Applied Electronics	5	5	3	
	CC	UAPYPR51	Core Pract. 4	Physics Practical IV	4	2	3	
	CC	UAPYPR52	Core Pract. 5	Electronics Experiments I	4	2	3	
	CC	UAPYCE51/ UAPYCE52	Core based Elective 1	(To choose 1 out of 2) 1.Digital Electronics 2.Power Electronics	5	5	3	
	AEC	UAPYSE51/ UAPYSE52	Skill Based Elective 1	(To choose 1 out of 2) 1.Radiation Physics 2.Electrical Circuit Network Skills	2	1	3	
		TOTAL				30	25	-
VI	CC	UAPY6001	Core 8	Nuclear and Particle Physics	5	5	3	
	CC	UAPY6002	Core 9	Wave Mechanics and Special Functions	5	5	3	
	CC	UAPY6003	Core 10	Numerical methods and Fundamentals of “C”	5	5	3	
	CC	UAPYPR61	Core Pract. 6	Physics Practical V	4	2	3	
	CC	UAPYPR62	Core Pract. 7	Electronics Experiments II	4	2	3	
	CC	UAPYCE61/ UAPYCE62	Core based Elective 2	(To choose 1 out of 2) 1.Microprocessor and its Application-8085 2.Microcontroller and its Applications	5	5	3	
	AEC	UAPYSE61/ UAPYSE62	Skill Based Elective 2	(To choose 1 out of 2) 1.Digital Television Maintenance & Troubleshooting 2.Astrophysics	2	1	3	
	CC	UAPYPJ61	Project	Apprenticeship / Internship / Project	90 <sup>a</sup>	30	3	
	AEC	UAEXAC61	Ext. Activities	Extension Activities	40 <sup>a</sup>	-	-	
		TOTAL				30	55	-
		GRAND TOTAL				180	180	
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III] **Engaged by the Dept. of English and <sup>#</sup> Engaged by Major & Allied dept.								

<sup>a</sup>The **90 hours** of Apprenticeship / Internship / Project and **40 hours** of Extension Activities shall be apart from the regular teaching hours. The Marks awarded for Extension Activity is not considered for Grand Total and CGPA.

<b>COURSES</b>	<b>NO. OF COURSES</b>
Language	4
English	4
Core	10
Core Practical	7
Allied	4
Allied Practical	3
Non- Major Elective	2
Skill Based	2
Core based Elective	2
Skill Based Elective	2
Value Education	1
Environmental Studies	1
Apprenticeship/Internship and Project Report	1
Extension Activities	1
<b>Total</b>	<b>44</b>

\*\*\*\*\*



B.Sc. CHEMISTRY							
Semester	Part	Course Code	Course	Course Title	Hrs./ Week	Credit	Exam. Hrs.
I	EC	UAFUR101/ UAFAR101/ UAFHD101/ UAFTA101	Language 1	(To choose 1 out of 4) Urdu I/Arabic I/Hindi I/ Tamil I	6	5	3
	EC	UAFEN101	English 1	English I	4	4	3
	AEC	UAVED101	Value EDU	Value Education**	2	1	3
	AEC	UASKB101	Skill Based 1	Communicative English <sup>#</sup>	4	3	3
	CC	UACH1001	Core 1	General Chemistry I	5	5	3
	CC		Core Practical 1	Practical I- Inorganic Qualitative Analysis & Complex Preparation	2	0	-
	CC	UACHAL11	Allied 1	Allied Physics I	5	5	3
	EC		Allied Practical 1	Allied Physics Practical	2	0	-
		TOTAL			30	23	-
II	EC	UAFUR201/ UAFAR201/ UAFHD201/ UAFTA201	Language 2	(To choose 1 out of 4) Urdu II/Arabic II/Hindi II/ Tamil II	6	5	3
	EC	UAFEN201	English 2	English II	6	5	3
	AEC	UASKB203	Skill Based 2	Professional English for Physical Sciences <sup>#</sup>	4	3	3
	CC	UACH2001	Core2	General Chemistry II	5	5	3
	CC	UACHPR21	Core Practical1	Practical I- Inorganic Qualitative Analysis & Complex Preparation	2	2	3
	CC	UACHAL21	Allied 2	Allied Physics II	5	5	3
	EC	UACHAP21	Allied Practical 1	Allied Physics Practical	2	2	3
		TOTAL			30	27	-
III	EC	UAFUR301/ UAFAR301/ UAFHD301/ UAFTA301	Language 3	(To choose 1 out of 4) Urdu III/Arabic III/Hindi III/ Tamil III	4	4	3
	EC	UAFEN301	English 3	English III	6	5	3
	EC	UAURNM31/ UAARNM31/ UAHDNM31/ UATANM31	Non-Major 1	(To choose 1 out of 4) Basic Urdu-I/ Basic Arabic I/ Basic Hindi I/Ariviyal Tamil I	2	1	3
	AEC	UAENV301	ENV Studies	Environmental Studies <sup>#</sup>	2	1	3
	CC	UACH3001	Core3	General Chemistry III	5	5	3
	CC	UACHPR31	Core Practical2	Practical II- Volumetric Estimation I	3	3	3
	CC	UACHAL31/ UACHAL32	Allied 3	[To Choose 1 out of 2] 1. Allied Mathematics I 2. Allied Zoology - Biology of Invertebrates and Chordates	6	5	3
	AEC	UACHAP31/ UACHAP32	Allied Practical 2	[To Choose 1 out of 2] 1. Allied Mathematical Statistics Practical I 2. Allied Zoology Practical - Biology of Invertebrates and Chordates	2	1	3
		TOTAL			30	25	-

IV	EC	UAFUR401/ UAFAR401/ UAFHD401/ UAFTA401	Language 4	(To choose 1 out of 4) Urdu IV /Arabic IV /Hindi IV/ Tamil IV	4	4	3
	EC	UAFEN401	English 4	English IV	6	5	3
	EC	UAURNM41/ UAARNM41/ UAHDNM41/ UATANM41	Non-Major 2	(To choose 1 out of 4) Basic Urdu II/ Basic Arabic II/Basic Hindi II/ Ariviyal Tamil II	2	1	3
	CC	UACH4001	Core 4	General Chemistry IV	5	5	3
	CC	UACHPR41	Core Practical 3	Practical III- Volumetric Estimation II	4	3	3
	CC	UACHAL41/ UACHAL42	Allied 4	[To Choose 1 out of 2] 1. Allied Mathematics II 2. Allied Zoology – Economic Zoology	7	6	3
	AEC	UACHAP41/ UACHAP42	Allied Practical 3	[To Choose 1 out of 2] 1. Allied Mathematical Statistics Practical II 2. Allied Zoology Practical – Economic Zoology	2	1	3
		TOTAL				30	25
V	CC	UACH5001	Core 5	Inorganic Chemistry I	5	5	3
	CC	UACH5002	Core 6	Organic Chemistry I	5	5	3
	CC	UACH5003	Core 7	Physical Chemistry I	5	5	3
	CC	UACHPR51	Core Practical 4	Practical IV: Gravimetric Estimation I	4	2	3
	CC	UACHPR52	Core Practical 5	Practical V: Physical Chemistry Practical I	4	2	3
	CC	UACHCE51/ UACHCE52	Core based Elective 1	(To choose 1 out of 2) 1. Applied Chemistry I 2. Essential Skills in Chemistry I	5	5	3
	AEC	UACHSE51/ UACHSE52	Skill Based Elective Practical 1	(To choose 1 out of 2) 1. Practical : Organic Chemistry Practical I 2. Skill development in Chemistry Practical I	2	1	3
		TOTAL				30	25
VI	CC	UACH6001	Core 8	Inorganic Chemistry II	5	5	3
	CC	UACH6002	Core 9	Organic Chemistry II	5	5	3
	CC	UACH6003	Core 10	Physical Chemistry II	5	5	3
	CC	UACHPR61	Core Practical 6	Practical VI: Gravimetric Estimation II	4	2	3
	CC	UACHPR62	Core Practical 7	Practical VII: Physical Chemistry Practical II	4	2	3
	CC	UACHCE61/ UACHCE62	Core based Elective 2	(To choose 1 out of 2) 1. Applied Chemistry II 2. Essential Skills in Chemistry II	5	5	3
	AEC	UACHSE61/ UACHSE62	Skill Based Elective Practical 2	(To choose 1 out of 2) 1. Practical VIII : Organic Chemistry Practical II 2. Skill development in Chemistry Practical II	2	1	3
	CC	UACHPJ61	Project	Apprenticeship / Internship / Project	90 <sup>a</sup>	30	3
	AEC	UAEXAC61	Ext. Activities	Extension Activities	40 <sup>a</sup>	-	-
		TOTAL				30	55
	GRAND TOTAL				180	180	
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III] **Enqaged by the Dept. of English and <sup>#</sup> Enqaged by Major & Allied dept.							

<sup>a</sup>The **90 hours** of Apprenticeship / Internship / Project and **40 hours** of Extension Activities shall be apart from the regular teaching hours. The Marks awarded for Extension Activity is not considered for Grand Total and CGPA.

COURSES	NO. OF COURSES
Language	4
English	4
Core	10
Core Practical	7
Allied	4
Allied Practical	3
Non- Major Elective	2
Skill Based	2
Core based Elective	2
Skill Based Elective Practical	2
Value Education	1
Environmental Studies	1
Apprenticeship/Internship and Project Report	1
Extension Activities	1
<b>Total</b>	<b>44</b>

\*\*\*\*\*

B.Sc. BIOCHEMISTRY							
Sem.	Part	Course Code	Course	Course Title	Hrs./ Week	Credit	Exam. Hrs.
I	EC	UAFUR101/ UAFAR101/ UAFHD101/ UAFTA101	Language 1	(To choose 1 out of 4) Urdu I/Arabic I/ Hindi I/ Tamil I	6	5	3
	EC	UAFEN101	English 1	English I	4	4	3
	AEC	UAVED101	Value EDU	Value Education**	2	1	3
	AEC	UASKB101	Skill Based 1	Communicative English <sup>#</sup>	4	3	3
	CC	UABI1001	Core 1	Bio-organic chemistry	5	5	3
	CC		Core Practical 1	Practical I - Quantitative & Qualitative Analysis	2	0	-
	CC	UABIAL11	Allied 1	Allied Chemistry I	5	5	3
	EC		Allied Practical 1	Allied Chemistry Practical	2	0	-
TOTAL					30	23	-
II	EC	UAFUR201/ UAFAR201/ UAFHD201/ UAFTA201	Language 2	(To choose 1 out of 4) Urdu II/Arabic II/Hindi II/ Tamil II	6	5	3
	EC	UAFEN201	English 2	English II	6	5	3
	AEC	UASKB204	Skill Based 2	Professional English for Life Sciences <sup>#</sup>	4	3	3
	CC	UABI2001	Core 2	Cell Biology	5	5	3
	CC	UABIPR21	Core Practical 1	Practical I - Quantitative & Qualitative Analysis	2	2	3
	CC	UABIAL21	Allied 2	Allied Chemistry II	5	5	3
	EC	UABIAP21	Allied Practical 1	Allied Chemistry Practical	2	2	3
TOTAL					30	27	-
III	EC	UAFUR301/ UAFAR301/ UAFHD301/ UAFTA301	Language 3	(To choose 1 out of 4) Urdu III/Arabic III/Hindi III/ Tamil III	4	4	3
	EC	UAFEN301	English 3	English III	6	5	3
	EC	UAURNM31/ UAARNM31/ UAHDNM31/ UATANM31	Non-Major Elective 1	(To choose 1 out of 4) Basic Urdu-I/ Basic Arabic I/ Basic Hindi I/Ariviyal Tamil I	2	1	3
	AEC	UAENV301	ENV Studies	Environmental Studies <sup>#</sup>	2	1	3
	CC	UABI3001	Core 3	Analytical Biochemistry	5	5	3
	CC	UABIPR31	Core Practical 2	Practical II - Volumetric Analysis & Biological Preparation	3	3	3
	CC	UABIAL32	Allied 3	Allied Zoology – Biology of Invertebrates and Chordates	6	5	3
	AEC	UABIAP32	Allied Practical 2	Allied Zoology Practical - Biology of Invertebrates and Chordates	2	1	3
TOTAL					30	25	-

IV	EC	UAFUR401/ UAFAR401/ UAFHD401/ UAFTA401	Language 4	(To choose 1 out of 4) Urdu IV /Arabic IV / Hindi IV/ Tamil IV	4	4	3
	EC	UAFEN401	English 4	English IV	6	5	3
	EC	UAURNM41/ UAARNM41/ UAHDNM41/ UATANM41	Non-Major Elective 2	(To choose 1 out of 4) Basic Urdu-II/ Basic Arabic II/ Basic Hindi II/ Ariviyal Tamil II	2	1	3
	CC	UABI4001	Core 4	Analytical Biochemistry & Bioinformatics	7	7	3
	CC	UABIPR41	Core Practical 3	Practical III - Colorimetric Techniques & Preparation of Buffers	2	1	3
	CC	UABIAL42	Allied 4	Allied Zoology – Economic Zoology	7	6	3
	AEC	UABIAP42	Allied Practical 3	Allied Zoology Practical - Economic Zoology	2	1	3
		TOTAL				30	25
V	CC	UABI5001	Core 5	Enzymes	5	5	3
	CC	UABI5002	Core 6	Genetics and Molecular Biology	5	5	3
	CC	UABI5003	Core 7	Human Anatomy and Physiology	5	5	3
	CC	UABIPR51	Core Practical 4	Practical IV - Colorimetric Analysis and Electrophoresis	4	2	6
	CC	UABIPR52	Core Practical 5	Practical V - Medical Laboratory Technology I	4	2	6
	CC	UABICE51/ UABICE52	Core based Elective 1	(To choose 1 out of 2) 1. Medical Laboratory Technology 2. Microbiology	5	5	3
	AEC	UABISE51/ UABISE52	Skill Based Elective 1	(To choose 1 out of 2) 1. Biotechnology I 2. Bioinformatics	2	1	3
		TOTAL				30	25
VI	EC	UABI6001	Core 8	Intermediary Metabolism	5	5	3
	EC	UABI6002	Core 9	Clinical Biochemistry	5	5	3
	EC	UABI6003	Core 10	Immunology	5	5	3
	CC	UABIPR61	Core Practical 6	Practical VI - Enzymology and Chromatography	4	2	6
	CC	UABIPR62	Core Practical 7	Practical VI - Medical Laboratory Technology II	4	2	6
	CC	UABICE61/ UABICE62	Core based Elective 2	(To choose 1 out of 2) 1. Nutritional Biochemistry & Dietetics 2. Endocrinology	5	5	3
	AEC	UABISE61/ UABISE62	Skill Based Elective 2	(To choose 1 out of 2) 1. Biotechnology II 2. Animal cell and Tissue Culture	2	1	3
	CC	UABIPJ61	Project	Apprenticeship / Internship / Project	90 <sup>a</sup>	30	3
	AEC	UAEXAC61	Ext. Activities	Extension Activities	40 <sup>a</sup>	-	-
		TOTAL				30	55
	GRAND TOTAL				180	180	
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III] **Engaged by the Dept. of English and <sup>#</sup> Engaged by Major & Allied dept.							

<sup>a</sup>The **90 hours** of Apprenticeship / Internship / Project and **40 hours** of Extension Activities shall be apart from the regular teaching hours. The Marks awarded for Extension Activity is not considered for Grand Total and CGPA.

<b>COURSES</b>	<b>NO. OF COURSES</b>
Language	4
English	4
Core	10
Core Practical	7
Allied	4
Allied Practical	3
Non- Major Elective	2
Skill Based Course	2
Core based Elective	2
Skill Based Elective	2
Value Education	1
Environmental Studies	1
Apprenticeship/Internship and Project Report	1
Extension Activities	1
<b>Total</b>	<b>44</b>

\*\*\*\*\*

B.Sc. BIOTECHNOLOGY							
Semester	Part	Course Code	Course	Course Title	Hrs./Week	Credit	Exam. Hrs.
I	EC	UAFUR101/ UAFAR101/ UAFHD101/ UAFTA101	Language 1	(To choose 1 out of 4) Urdu I/Arabic I/ Hindi I/ Tamil I	6	5	3
	EC	UAFEN101	English 1	English I	4	4	3
	AEC	UAVED101	Value EDU*	Value Education**	2	1	3
	AEC	UASKB101	Skill Based 1	Communicative English <sup>#</sup>	4	3	3
	CC	UABT1001	Core 1	The Cell	5	5	3
	CC		Core Practical 1	Practical I- The Cell and Molecular Biology	2	0	-
	CC	UABTAL11	Allied 1	Allied - Biomolecules	5	5	3
	EC		Allied Practical 1	Allied - Biomolecules and Microbiology Practical	2	0	-
		TOTAL			30	23	-
II	EC	UAFUR201/ UAFAR201/ UAFHD201/ UAFTA201	Language 2	(To choose 1 out of 4) Urdu II/Arabic II/ Hindi II/Tamil II	6	5	3
	EC	UAFEN201	English 2	English II	6	5	3
	AEC	UASKB204	Skill Based 2	Professional English for Life Sciences <sup>#</sup>	4	3	3
	CC	UABT2001	Core 2	Molecular Biology	5	5	3
	CC	UABTPR21	Core Practical1	Practical I - The Cell and Molecular Biology	2	2	3
	CC	UABTAL21	Allied 2	Allied - Microbiology	5	5	3
	EC	UABTAP21	Allied Practical 1	Allied - Biomolecules and Microbiology Practical	2	2	3
		TOTAL			30	27	-
III	EC	UAFUR301/ UAFAR301/ UAFHD301/ UAFTA301	Language 3	(To choose 1 out of 4) Urdu III/Arabic III/Hindi II/ Tamil III	4	4	3
	EC	UAFEN301	English 3	English III	6	5	3
	EC	UAURNM31/ UAARNM31/ UAHDNM31/ UATANM31	Non-Major 1	(To choose 1 out of 4) Basic Urdu-I/ Basic Arabic I/ Basic Hindi I/Ariviyal Tamil I	2	1	3
	AEC	UAENV301	ENV Studies	Environmental Studies <sup>#</sup>	2	1	3
	CC	UABT3001	Core 3	Immunology	5	5	3
	CC	UABTPR31	Core Practical 2	Practical II -Immunology	3	3	3
	CC	UABTAL31	Allied 3	Allied - Biostatistics	6	5	3
	AEC	UABTAP31	Allied Practical 2	Allied - Biostatistics Practical	2	1	3
		TOTAL			30	25	-

IV	EC	UAFUR401/ UAFAR401/ UAFHD401/ UAFTA401	Language 4	(To choose 1 out of 4) Urdu IV/Arabic IV/ Hindi IV/Tamil IV	4	4	3
	EC	UAURNM41/ UAARNM41/ UAHDNM41/ UATANM41	Non- Major 2	(To choose 1 out of 4) Basic Urdu-II/ Basic Arabic I/ Basic Hindi II/Ariviyal Tamil II	2	1	3
	EC	UAFEN401	English 4	English IV	6	5	3
	CC	UABT4001	Core 4	Bioinstrumentation	7	7	3
	CC	UABTPR41	Core Practical 3	Practical III -Bioinstrumentation	2	1	3
	CC	UABTAL41	Allied 4	Allied - Ethnobotany	7	6	3
	AEC	UABTAP41	Allied Practical 3	Allied - Ethnobotany Practical	2	1	3
		TOTAL				30	25
V	CC	UABT5001	Core 5	r-DNA technology	5	5	3
	CC	UABT5002	Core 6	Plant Biotechnology	5	5	3
	CC	UABT5003	Core 7	Industrial Biotechnology	5	5	3
	CC	UABTPR51	Core Practical 4	Practical IV: r-DNA technology and Plant Biotechnology	4	2	3
	CC	UABTPR52	Core Practical 5	Practical V - Industrial Biotechnology	4	2	3
	CC	UABTCE51/ UABTCE52	Core based Elective 1	(To choose 1 out of 2) 1.Animal Biotechnology 2.Industrial Effluent Treatment	5	5	3
	AEC	UABTSE51/ UABTSE52	Skill Based Elective 1	(To choose 1 out of 2) 1.Fermentation Technology 2.Stem Cell Biology	2	1	3
		TOTAL				30	25
VI	CC	UABT6001	Core 8	Environmental Biotechnology	5	5	3
	CC	UABT6002	Core 9	Nano Biotechnology	5	5	3
	CC	UABT6003	Core 10	Medical Biotechnology	5	5	3
	CC	UABTPR61	Core Practical 6	Practical VI - Environmental Biotechnology and Nano Biotechnology	4	2	3
	CC	UABTPR62	Core Practical 7	Practical VI - Medical Biotechnology	4	2	3
	CC	UABTCE61/ UABTCE62	Core based Elective 2	(To choose 1 out of 2) 1.Bioinformatics 2.Biofertilizers and Organic Farming	5	5	3
	AEC	UABTSE61/ UABTSE62	Skill Based Elective 2	(To choose 1 out of 2) 1.Human Pathology 2.Oncology	2	1	3
	CC	UABTPJ61	Project	Apprenticeship / Internship / Project	90 <sup>a</sup>	30	3
	AEC	UAEXAC61	Ext. Activities	Extension Activities	40 <sup>a</sup>	-	-
		TOTAL				30	55
	GRAND TOTAL				180	180	
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III] **Engaged by the Dept. of English and <sup>#</sup> Engaged by Major & Allied dept.							



<sup>a</sup>The **90 hours** of Apprenticeship / Internship / Project and **40 hours** of Extension Activities shall be apart from the regular teaching hours. The Marks awarded for Extension Activity is not considered for Grand Total and CGPA.

COURSES	NO. OF COURSES
Language	4
English	4
Core	10
Core Practical	7
Allied	4
Allied Practical	3
Non- Major Elective	2
Skill Based Course	2
Core based Elective	2
Skill Based Elective	2
Value Education	1
Environmental Studies	1
Apprenticeship/Internship and Project Report	1
Extension Activities	1
<b>Total</b>	<b>44</b>

\*\*\*\*\*

B.Sc. COMPUTER SCIENCE							
Sem.	Part	Course Code	Course	Course Title	Hrs./ Week	Credit	Exam. Hrs.
I	EC	UAFUR101/ UAFAR101/ UAFHD101/ UAFTA101	Language 1	<b>(To choose 1 out of 4)</b> Urdu I/Arabic I/Hindi I/ Tamil I	6	5	3
	EC	UAFEN101	English 1	English I	4	4	3
	AEC	UAVED101	Value EDU	Value Education**	2	1	3
	AEC	UASKB101	Skill Based 1	Communicative English <sup>#</sup>	4	3	3
	CC	UACC1001	Core 1	Digital Logic Fundamentals & Microprocessor	7	5	3
	CC	UACCAL11	Allied 1	Allied - Mathematical Foundation I	5	5	3
	EC		Allied Practical 1	Allied - Statistical Methods - Lab	2	0	-
		<b>TOTAL</b>			<b>30</b>	<b>23</b>	<b>-</b>
II	EC	UAFUR201/ UAFAR201/ UAFHD201/ UAFTA201	Language 2	Urdu II/Arabic II/Hindi II/ Tamil II	6	5	3
	EC	UAFEN201	English 2	English II	6	5	3
	AEC	UASKB203	Skill Based 2	Professional English for Physical Sciences <sup>#</sup>	4	3	3
	CC	UACC2001	Core 2	Programming in C	5	5	3
	CC	UACCPR21	Core Practical1	Programming in C- Lab	2	2	3
	CC	UACCAL21	Allied 2	Allied - Mathematical Foundation II	5	5	3
	EC	UACCAP21	Allied Practical 1	Allied - Statistical Methods - Lab	2	2	3
		<b>TOTAL</b>			<b>30</b>	<b>27</b>	<b>-</b>
III	EC	UAFUR301/ UAFAR301/ UAFHD301/ UAFTA301	Language 3	<b>(To choose 1 out of 4)</b> Urdu III/Arabic III/ Hindi III/ Tamil III	4	4	3
	EC	UAFEN301	English 3	English III	6	5	3
	EC	UAURNM31/ UAARNM31/ UAHDNM31/ UATANM31	Non-Major	<b>(To choose 1 out of 4)</b> Basic Urdu-I/ Basic Arabic I/ Basic Hindi I/Ariviyal Tamil I	2	1	3
	AEC	UAENV301	ENV Studies	Environmental Studies <sup>#</sup>	2	1	3
	CC	UACC3001	Core3	C++ & Data Structures	5	5	3
	CC	UACCPR31	Core Practical2	C++ & Data Structures – Lab	3	3	3
	CC	UACCAL31	Allied 3	Allied - Computer Oriented Financial Accounting I	6	5	3
	AEC	UACCAP31	Allied Practical 2	Allied - Computer Oriented Financial Accounting - Lab	2	1	3
		<b>TOTAL</b>			<b>30</b>	<b>25</b>	<b>-</b>

IV	EC	UAFUR401/ UAFAR401/ UAFHD401/ UAFTA401	Language 4	(To choose 1 out of 4) Urdu IV/Arabic IV/ Hindi IV/ Tamil IV	4	4	3	
	EC	UAURNM41/ UAARNM41/ UAHDNM41/ UATANM41	Non-Major 2	(To choose 1 out of 4) Basic Urdu-II/ Basic Arabic II/Basic Hindi II/Ariviyal Tamil II	2	1	3	
	EC	UAFEN401	English 4	English IV	6	5	3	
	CC	UACC4001	Core4	Programming in Java	7	7	3	
	CC	UACCPR41	Core Practical3	Programming in Java - Lab	2	1	3	
	CC	UACCAL41	Allied 4	Allied - Computer Oriented Financial Accounting II	7	6	3	
	AEC	UACCAP41	Allied Practical 3	Allied - Computer Oriented Financial Accounting II - Lab	2	1	3	
		TOTAL				30	25	-
V	CC	UACC5001	Core 5	Design and Analysis of Algorithm	5	5	3	
	CC	UACC5002	Core 6	Data Base Management System	5	5	3	
	CC	UACC5003	Core 7	Computer Networks	5	5	3	
	CC	UACCPR51	Core Practical 4	Database Management System - Lab	4	2	3	
	CC	UACCPR52	Core Practical 5	Computer Networks - Lab	4	2	3	
	CC	UACCCE51/ UACCCE52	Core based Elective 1	(To choose 1 out of 2) 1. Software Engineering 2. Software Testing	5	5	3	
	AEC	UACCSE51/ UACCSE52	Skill Based Elective 1	(To choose 1 out of 2) 1. Mobile Application Development – Lab 2. Software Project Management	2	1	3	
		TOTAL				30	25	-
VI	CC	UACC6001	Core 8	Computer Graphics and Multimedia	5	5	3	
	CC	UACC6002	Core 9	Software Project – Case study	5	5	3	
	CC	UACC6003	Core 10	Operating System	5	5	3	
	CC	UACCPR61	Core Practical 6	Software Project & Viva Voce	4	2	3	
	CC	UACCPR62	Core Practical 7	Unix & Operating System – Lab	4	2	3	
	CC	UACCCE61/ UACCCE62	Core based Elective 2	(To choose 1 out of 2) 1. Machine learning with Python and R 2. Cloud Computing	5	5	3	
	AEC	UACCSE61/ UACCSE62	Skill Based Elective 2	(To choose 1 out of 2) 1. Machine learning with Python and R – Lab 2. Artificial Neural Network	2	1	3	
	CC	UACSPJ61	Project	Apprenticeship / Internship / Project	90 <sup>a</sup>	30	3	
	AEC	UAEXAC61	Ext. Activities	Extension Activities	40 <sup>a</sup>	-	-	
		TOTAL				30	55	-
		GRAND TOTAL				180	180	
CC- Core Course [Part-I], EC- Elective Course [Part-II], AEC- Ability Enhancement Course [Part-III] **Engaged by the Dept. of English and <sup>#</sup> Engaged by Major & Allied dept.								

<sup>a</sup>The **90 hours** of Apprenticeship/Internship & Project Report and **40 hours** of Extension Activities shall be apart from the regular teaching hours. The Marks awarded for Extension Activity is not considered for Grand Total and **CGPA**.

<b>COURSES</b>	<b>NO. OF COURSES</b>
Language	4
English	4
Core	10
Core Practical	7
Allied	4
Allied Practical	3
Non- Major Elective	2
Skill Based Course	2
Core based Elective	2
Skill Based Elective	2
Value Education	1
Environmental Studies	1
Apprenticeship/Internship and Project Report	1
Extension Activities	1
<b>Total</b>	<b>44</b>

**REGULATIONS**  
**POSTGRADUATE DEGREE COURSES**  
**(Admitted from 2020-2021)**

**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**

The Project Work should be individual for PG student. 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.

### **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

<b>Marks Distribution</b>	<b>Theory &amp; Practical</b>
CIA Test Marks 150 to be converted to	10 Marks
Library Usage in Hours (Minimum 30 hours per Semester)	5 Marks
Assignment / Seminar / Observation	5 Marks
Attendance	5 Marks
<b>TOTAL</b>	<b>25 Marks</b>

Reg. No	Name	Test I - 75	Test II - 75	Total - 150	Marks converted	Library Usage Min. 30 hours	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

## 8. Requirements for proceeding to Subsequent Semesters

- Candidates shall register their names for the First Semester Examinations after the admission in the P.G. Courses.
- 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.
- 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 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. A candidate will be permitted to appear for Practical examinations only if they have attended 75% of the practical classes. A candidate who has secured attendance of less than 65% but 55% and above is detained for that particular semester. He / She will be permitted to write the examinations in the next Odd / Even Semester by paying the prescribed condonation fee.

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

#### **10. Passing Minimum**

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

#### **11. Grading System**

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

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



### Illustration of SGPA

Semester	Course	Credit	Grade Letter	Grade Point	Credit Point [Credit x Grade]
I	Course 1	5	A +	9	45
	Course 2	5	A	8	40
	Course 3	4	O	10	40
	Course 4	4	P	5	20
	Elective	4	B	6	24
	<b>Total</b>	<b>22</b>			<b>169</b>
II	Course 1	5	P	5	25
	Course 2	5	B+	7	35
	Course 3	4	O	10	40
	Course 4	4	A	8	32
	Elective	4	A+	9	36
	Human Rights (AEC)	-	-	-	-
	<b>Total</b>	<b>22</b>			<b>168</b>
Semester	Course	Credit	Grade Letter	Grade Point	Credit Point [Credit x Grade]
III	Course 1	5	A+	9	45
	Course 2	5	O	10	50
	Course 3	4	B	6	24
	Course 4	4	B	6	24
	Elective	4	P	5	20
	<b>Total</b>	<b>22</b>			<b>163</b>
IV	Course 1	5	O	10	50
	Course 2	5	A	8	40
	Course 3	4	A+	9	36
	Course 4 / Project Work	4	B+	7	28
	Elective	4	P	5	20
	Non Major Elective	2	O	10	20
	<b>Total</b>	<b>24</b>			<b>194</b>

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

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

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

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

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

The CGPA for the PG degree is:

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

## 12. Classification of Successful Candidates

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

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

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

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

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

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

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

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

## 13. The Medium of Instruction and Examinations

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

#### 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 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.

#### 15. 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.

#### 16. Self-Supportive Courses

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

#### 17. 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.

#### 18. Transitory Provision

Candidates who have joined the programme from the academic year 2016-17 will be permitted to appear for the examinations under this Regulation for a maximum period of **FOUR** years. Thereafter, they will be permitted to appear for the examinations only under the new Regulations in force. The equivalent paper to be written will be decided by the Chairman of the respective BOS. Such candidates have to reregister for the course. The fee for such re-registration will be as decided by the Governing Body from time to time.

#### Question Paper Pattern for PG Courses

<b>Section A</b>	<b>To answer ALL the 5 questions (either or type) (One question 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 question from each UNIT)</b>	<b>3 x15 =45 Marks</b>
<b>TOTAL</b>		<b>75 Marks</b>

**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**COURSE STRUCTURE FOR UG PROGRAMMES**  
**(CBCS PATTERN)**  
**(For the Candidates admitted from the academic year 2020 – 2021)**

<b>M.A. ENGLISH</b>						
<b>SEM</b>	<b>Course Code</b>	<b>Course</b>	<b>Course Title</b>	<b>Ins Hrs./ Week</b>	<b>Credit</b>	<b>Exam Hrs.</b>
<b>I</b>	PAEN1001	Core 1	British Literature-1	6	5	3
	PAEN1002	Core 2	Indian Literature in English	6	5	3
	PAEN1003	Core 3	American Literature	6	4	3
	PAEN1004	Core 4	Women's Writing in English	6	4	3
	PAENEP11/ PAENEP12	Core Based Elective 1	<b>(To choose 1 out of 2)</b> 1. Creative Writing 2. Business Writing	6	4	3
<b>II</b>	PAEN2001	Core 5	British Literature-II	5	5	3
	PAEN2002	Core 6	English Language and Linguistics	6	5	3
	PAEN2003	Core 7	New Literature in English	6	4	3
	PAEN2004	Core 8	Postcolonial Literature	5	4	3
	PAHR2001	Common Course	Human Rights	2	-	3
	PAENEP21/ PAENEP22	Core Based Elective 2	<b>(To choose 1 out of 2)</b> 1. Soft Skills 2. Journalism and Mass Communication	6	4	3
<b>III</b>	PAEN3001	Core 9	Modern and Post Modern Literature	6	5	3
	PAEN3002	Core 10	Literary Theory and Criticism I	6	5	3
	PAEN3003	Core 11	English Language Teaching	6	4	3
	PAEN3004	Core 12	Subaltern Literature	6	4	3
	PAENEP31/ PAENEP32	Core Based Elective 3	<b>(To choose 1 out of 2)</b> 1. Interpretation of Literature 2. South Asian Literature in Translation	6	4	3
<b>IV</b>	PAEN4001	Core 13	Literary Theory and Criticism II	5	5	3
	PAEN4002	Core 14	Shakespeare	5	5	3
	PAEN4003	Core 15	Special Authors	6	4	3
	PAENPJ41	Core 16	Project with Viva Voce	5	4	3
	PAENEP41 PAENEP42	Core Based Elective 4	<b>(To choose 1 out of 2)</b> 1. Research Methodology 2. Technical Writing	5	4	3
	PAENNM41	Non Major	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 Title	Ins hrs. /Week	Credit	Exam Hrs.
I	PAHI1001	Core 1	Social and Cultural History of India up to 1206 A.D.	6	5	3
	PAHI1002	Core 2	Social and Cultural History of Tamil Nadu up to 1565 A.D.	6	5	3
	PAHI1003	Core 3	History of Ancient Civilizations (Excluding India)	6	4	3
	PAHI1004	Core 4	Islamic History from 500 A.D. to 750 A.D.	6	4	3
	PAHIEP11/ PAHIEP12	Core Based Elective 1	<b>(To choose 1 out of 2)</b> 1. Travel Management 2. Fundamentals of Defence and Strategic Studies	6	4	3
II	PAHI2001	Core 5	Social and Cultural History of India from 1206 A.D. to 1857 A.D.	5	5	3
	PAHI2002	Core 6	Social and Cultural History of Tamil Nadu from 1565 A.D. to 2000 A.D.	6	5	3
	PAHI2003	Core 7	History of Medieval Civilizations	6	4	3
	PAHI2004	Core 8	Islamic History from 750 AD to 1258A.D	5	4	3
	PAHR2001	Common Course	Human Rights	2	-	3
	PAHIEP21/ PAHIEP22	Core Based Elective 2	<b>(To choose 1 out of 2)</b> 1. Hotel Management 2. Fundamentals of National Security	6	4	3
III	PAHI3001	Core 9	Social and Cultural History of India from 1857 A.D. to 2010 A.D.	6	5	3
	PAHI3002	Core 10	History of Modern Civilizations	6	5	3
	PAHI3003	Core 11	Historiography	6	4	3
	PAHI3004	Core 12	History of the Ottoman Empire	6	4	3
	PAHIEP31/ PAHIEP32	Core Based Elective 3	<b>(To choose 1 out of 2)</b> 1.Epigraphy and Numismatics 2.Fundamentals of Geography	6	4	3
IV	PAHI4001	Core 13	Research Methodology	5	5	3
	PAHI4002	Core 14	Principles of Archaeology	5	5	3
	PAHI4003	Core 15	History of England from 1603 A.D. to 1945 A.D.	6	4	3
	PAHI4004	Core 16	Muslim contribution to Humanity	5	4	3
	PAHIEP41/ PAHIEP42	Core Based Elective 4	<b>(To choose 1 out of 2)</b> 1. Growth of Panchayati Raj Institutions in India (with special reference to Tamil Nadu) 2. Fundamentals of Indian Economy	5	4	3
	PAHINM41	Non Major	Introduction to Journalism	4	2	3
TOTAL				120	90	-

M.Com. COMMERCE						
SEM.	Course Code	Course	Course Title	Ins Hrs./Week	Credit	Exam Hrs.
I	PACO1001	Core 1	Marketing Management	6	5	3
	PACO1002	Core 2	Advanced Management Accounting	6	5	3
	PACO1003	Core 3	Advanced Business Statistics	6	4	3
	PACO1004	Core 4	Global Financial System	6	4	3
	PACOEP11/ PACOEP12	Core Based Elective 1	<b>(To choose 1 out of 2)</b> 1. International Business 2. Corporate Laws	6	4	3
II	PACO2001	Core 5	Strategic Human Resource Management	5	5	3
	PACO2002	Core 6	Advanced Financial Management	6	5	3
	PACO2003	Core 7	Quantitative Techniques	6	4	3
	PACO2004	Core 8	Business Environment	5	4	3
	PAHR2001	Common Course	Human Rights	2	-	3
	PACOEP21/ PACOEP22	Core Based Elective 2	<b>(To Choose 1 Out Of 2)</b> 1. Consumer Behaviour 2. Advertising & Sales Management	6	4	3
III	PACO3001	Core 9	Advanced Accounting I	6	5	3
	PACO3002	Core 10	Advanced Cost Accounting I	6	5	3
	PACO3003	Core 11	Indirect Taxes	6	4	3
	PACO3004	Core 12	Research Methodology	6	4	3
	PACOE3P1/ PACOEP32	Core Based Elective 3	<b>(To Choose 1 Out Of 2)</b> 1. Organisational Behaviour 2. Managerial Economics	6	4	3
IV	PACO4001	Core 13	Advanced Accounting II	5	5	3
	PACO4002	Core 14	Advanced Cost Accounting II	5	5	3
	PACO4003	Core 15	Direct Taxes	6	4	3
	PACO4004	Core 16	Security Analysis & Portfolio Management	5	4	3
	PACOEP41/ PACOEP42	Core Based Elective 4	<b>(To Choose 1 Out Of 2)</b> 1. Export Management 2. Supply Chain Management	5	4	3
	PACONM41	Non Major	Quantitative Aptitude	4	2	3
TOTAL				120	90	-

M.Sc. MATHEMATICS						
SEM	Course Code	Course	Course Title	Ins Hrs./Week	Credit	Exam Hrs.
I	PAMS1001	Core 1	Algebraic Structures	6	5	3
	PAMS1002	Core 2	Mathematical Analysis	6	5	3
	PAMS1003	Core 3	Ordinary Differential Equations	6	4	3
	PAMS1004	Core 4	Classical Mechanics	6	4	3
	PAMSEP11/ PAMSEP12	Core Based Elective 1	<b>(To choose 1 out of 2)</b> 1. Advanced Operations Research I 2. Graph Theory	6	4	3
II	PAMS2001	Core 5	Advanced Algebra	5	5	3
	PAMS2002	Core 6	Advanced Real Analysis	6	5	3
	PAMS2003	Core 7	Partial Differential Equations	6	4	3
	PAMS2004	Core 8	Advanced Numerical Methods	5	4	3
	PAHR2001	Common Course	Human Rights	2	-	3
	PAMSEP21/ PAMSEP22	Core Based Elective 2	<b>(To choose 1 out of 2)</b> 1. Advanced Operations Research II 2. Algebraic Number Theory	6	4	3
III	PAMS3001	Core 9	Complex analysis I	6	5	3
	PAMS3002	Core 10	General Topology	6	5	3
	PAMS3003	Core 11	Modern Probability Theory	6	4	3
	PAMS3004	Core 12	Differential Geometry	6	4	3
	PAMSEP31/ PAMSEP32	Core Based Elective 3	<b>(To choose 1 out of 2)</b> 1. Tensor Analysis 2. Fuzzy Sets and their Applications	6	4	3
IV	PAMS4001	Core 13	Complex analysis II	5	5	3
	PAMS4002	Core 14	Functional Analysis	5	5	3
	PAMS4003	Core 15	Statistical Techniques	6	4	3
	PAMS4004	Core 16	Modern Fluid Dynamics	5	4	3
	PAMSEP41/ PAMSEP42	Core Based Elective 4	<b>(To choose 1 out of 2)</b> 1. Number Theory & Cryptography 2. Applied Abstract Algebra	5	4	3
	PAMSNMP4	Non Major - Practical	Mathematical Software - Lab	4	2	3
TOTAL				120	90	-

M.Sc. PHYSICS						
SEM	Course Code	Course	Course Title	Ins Hrs./ Week	Credit	Exam Hrs.
I	PAPY1001	Core 1	Mathematical Physics	6	5	3
	PAPY1002	Core 2	Classical Mechanics	6	5	3
	PAPY1003	Core 3	Quantum Mechanics I	6	4	3
	PAPYPR11	Core Practical 1	Practical I General Physics Experiments I	6	4	4
	PAPYEP11/ PAPYEP12	Core Based Elective 1	<b>(To choose 1 out of 2)</b> 1. Electronic Devices and Applications 2. Computational Methods and Programming	6	4	3
II	PAPY2001	Core 4	Statistical Physics	5	5	3
	PAPY2002	Core 5	Electromagnetic Theory	6	5	3
	PAPY2003	Core 6	Quantum Mechanics II	6	4	3
	PAPYPR21	Core Practical 2	Practical II Electronics Experiments I	5	4	4
	PAHR2001	Common Course	Human Rights	2	-	3
	PAPYEP21/ PAPYEP22	Core Based Elective 2	<b>(To choose 1 out of 2)</b> 1. Molecular Spectroscopy 2. Astrophysics	6	4	3
III	PAPY3001	Core 7	Condensed Matter Physics	6	5	3
	PAPY3002	Core 8	Nuclear and Particle Physics	6	5	3
	PAPY3003	Core 9	Crystal Physics and Crystallography	6	4	3
	PAPYPR31	Core Practical 3	Practical III- General Physics Experiments II	6	4	6
	PAPYEP31/ PAPYEP32	Core Based Elective 3	<b>(To choose 1 out of 2)</b> 1. Synthesis and Characterization of Nano materials 2. Embedded System	6	4	3
IV	PAPY4001	Core 10	Material Science	5	5	3
	PAPY4002	Core 11	Research Methodology	5	4	3
	PAPYPR41	Core Practical 4	Practical IV Microprocessor and Microcontroller Experiments	6	5	6
	PAPYEP41/ PAPYEP42	Core Based Elective 4	<b>(To choose 1 out of 2)</b> 1. Microprocessor and Microcontroller 2. Digital Communications	5	4	3
	PAPYNM41	Non Major	Medical Physics	5	4	3
	PAPYPJ41	Project	Project with Viva Voce	4	2	3
TOTAL				120	90	-



M.Sc. CHEMISTRY						
SEM	Course Code	Course	Course Title	Ins Hrs./ Week	Credit	Exam Hrs.
I	PACH1001	Core 1	Inorganic Chemistry I	6	5	3
	PACH1002	Core 2	Organic Chemistry I	6	5	3
	PACH1003	Core 3	Physical Chemistry I	6	4	3
	PACHPR11	Core Practical 1	Practical I - Organic Practical I	6	4	6
	PACHEP11/ PACHEP12	Elective Practical 1	<b>(To Choose 1 out of 2)</b> 1. Practical II- Colorimetry & Kinetic Studies 2. Applied Catalysis	6	4	6
II	PACH2001	Core 4	Inorganic Chemistry II	5	5	3
	PACH2002	Core 5	Organic Chemistry II	6	5	3
	PACH2003	Core 6	Physical Chemistry II	6	4	3
	PACHPR21	Core Practical 2	Practical III Physical Practical I	5	4	6
	PAHR2001	Common Course	Human Rights	2	-	3
	PACHEP21/ PACHEP22	Elective Practical 2	<b>(To Choose 1 out of 2)</b> 1. Practical IV- Analysis of Organic & Inorganic Mixture 2. Medicinal Chemistry (or) Project	6	4	6
III	PACH3001	Core 7	Inorganic Chemistry III	6	5	3
	PACH3002	Core 8	Organic Chemistry III	6	5	3
	PACH3003	Core 9	Physical Chemistry III	6	4	3
	PACHPR31	Core Practical 3	Practical V- Inorganic Practical	6	4	6
	PACHEP31/ PACHEP32	Elective Practical 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	PACH4001	Core 10	Inorganic Chemistry IV	5	5	3
	PACH4002	Core 11	Organic Chemistry IV	5	5	3
	PACH4003	Core 12	Physical Chemistry IV	6	4	3
	PACHPJ41	Project	Project with Viva Voce	5	4	6
	PACHEP41/ PACHEP42	Elective Practical 4	<b>(To choose 1 out of 2)</b> 1. Practical VII- Organic Chemistry Practical II 2. Preparation of domestic products	5	4	6
	PACHNM41	Non Major Practical	Practical VIII- Potentiometry and Spectral Interpretation	4	2	6
TOTAL				120	90	-

M.Sc. BIOCHEMISTRY						
SEM	Course Code	Course	Course Title	Ins Hrs./ Week	Credit	Exam Hrs.
I	PABI1001	Core 1	Microbiology & Microbial Technology	6	5	3
	PABI1002	Core 2	Biomolecules	6	5	3
	PABIPR11	Core Practical 1	Practical – I Microbiology & Microbial Technology	6	4	6
	PABIPR12	Core Practical 2	Practical II– Isolation and estimation of Biomolecules	6	4	6
	PABIEP11/ PABIEP12	Core Based Elective 1	<b>(To choose 1 out of 2)</b> 1. Human Physiology 2. Stem cell Biology	6	4	3
II	PABI2001	Core 3	Bioenergetics and Metabolism	5	5	3
	PABI2002	Core 4	Immunology & Immunotechnology	6	5	3
	PABIPR21	Core Practical 3	Practical – III Biochemical Analysis of Blood, Hematology and Serology	5	4	6
	PABIPR22	Core Practical 4	Practical – IV Immunology & Immunotechnology	6	4	6
	PAHR2001	Common Course	Human Rights	2	-	3
	PABIEP21/ PABIEP22	Core Based Elective 2	<b>(To choose 1 out of 2)</b> 1. Bio-analytical Techniques 2. Proteomics and Genomics	6	4	3
III	PABI3001	Core 5	Enzymology	6	5	3
	PABI3002	Core 6	Clinical Biochemistry	6	5	3
	PABIPR31	Core Practical 5	Practical – V Clinical Enzymology & Analysis of Urine	6	4	6
	PABIPR32	Core Practical 6	Practical – VI Enzyme Assays	6	4	6
	PABIEP31/ PABIEP32	Core Based Elective 3	<b>(To choose 1 out of 2)</b> 1. Ecology, Evolution and Biodiversity 2. Animal Tissue Culture	6	4	3
IV	PABI4001	Core 7	Genetics and Molecular Biology	5	5	3
	PABI4002	Core 8	Molecular Endocrinology	5	5	3
	PABIPR41	Core Practical 7	Practical – VII Molecular Biology	6	4	6
	PABIPJ41	Core Project	Project with Viva Voce	5	4	6
	PABIEP41/ PABIEP42	Core Based Elective 4	<b>(To choose 1 out of 2)</b> 1. Applied Biotechnology 2. Biostatistics and Bioinformatics	5	4	3
	PABINM41	Non-Major	Cell Signaling & Communication	4	2	3
			<b>Total</b>	<b>120</b>	<b>90</b>	<b>-</b>

M.Sc. BIOTECHNOLOGY						
SEM	Course Code	Course	Course Title	Ins Hrs./ Week	Credit	Exam Hrs.
I	PABT1001	Core 1	Microbiology and Microbial Technology	6	5	3
	PABT1002	Core 2	Industrial Biotechnology	6	5	3
	PABTPR11	Core Practical 1	Practical I - Microbiology and Microbial Technology	6	4	4
	PABTPR12	Core Practical 2	Practical II - Industrial Biotechnology	6	4	4
	PABTEP11/ PABTEP12	Core Based Elective 1	<b>(To choose 1 out of 2)</b> 1. Human Physiology 2. Stem Cell Biology	6	4	3
II	PABT2001	Core 3	Interactions and Metabolism of Biomolecules	5	5	3
	PABT2002	Core 4	Immunology & Immunotechnology	6	5	3
	PABTPR21	Core Practical 3	Practical III- Interactions and Metabolism of Biomolecules	5	4	4
	PABTPR22	Core Practical 4	Practical IV- Immunology and Immunotechnology	6	4	4
	PAHR2001	Common Course	Human Rights	2	-	3
	PABTEP21/ PABTEP22	Core Based Elective 2	<b>(To choose 1 out of 2)</b> 1. Bio-analytical Techniques 2. Proteomics and Genomics	6	4	3
III	PABT3001	Core 5	DNA Barcoding Technology	6	5	3
	PABT3002	Core 6	Gene Cloning	6	5	3
	PABTPR31	Core Practical 5	Practical V - DNA Barcoding Technology	6	4	4
	PABTPR32	Core Practical 6	Practical VI - Gene Cloning	6	4	4
	PABTEP31/ PABTEP32	Core Based Elective 3	<b>(To choose 1 out of 2)</b> 1. Animal Tissue Culture 2. Bioprospecting Technology	6	4	3
IV	PABT4001	Core 7	Research Methodology	5	5	3
	PABT4002	Core 8	Environmental Biotechnology	5	5	3
	PABTPR41	Core Practical 7	Practical VII - Environmental Biotechnology	6	4	4
	PABTEP41/ PABTEP42	Core Based Elective 4	<b>(To choose 1 out of 2)</b> 1. IPR in Life science and Biosafety 2. Applied Biotechnology	5	4	3
	PABTPJ41	Project	Project with Viva Voce	5	4	3
	PABTNM41	Non Major	Cell Signaling & Communication	4	2	3
<b>Total</b>				<b>120</b>	<b>90</b>	<b>-</b>

**REGULATIONS**  
**M.Phil. DEGREE COURSES**  
**(Admitted from 2020 – 2021)**

## **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 inter-disciplinary 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 Experience 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 research methodology and subject concern.

### 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 Course: Three Courses (Core I, II & III) carrying 5 credits each
- ii. Elective Course: One Course (Elective I) carrying 5 credits (related to the Research Area)
- iii. Dissertation: 20 Credits (relevant to the Elective I Course)

The total number of credits for core and electives shall be 40 consists of 3 Core courses (15 credits) and one elective (5 Credits) and Dissertation (20 credit)

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

For full time scholars, theory examination will be conducted at the end of first semester and submission of dissertation will be at the end of second 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 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 course (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. degree course 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

### 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
	Course 4	5	B	6	30
	<b>Total</b>	<b>20</b>			<b>165</b>
II	Dissertation	<b>20</b>	B +	7	<b>140</b>
$SGPA = \frac{165}{20} = 8.25$ $CGPA = \frac{165 + 140}{40} = \frac{305}{40} = 7.6$					

### 12. Classification of Successful Candidates

Passed all the courses with CGPA of 7.5 and above - 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

### 13. The Medium of Instruction and Examinations

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

### 14. Self-Supportive Courses

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

### 15. 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.



## 16. Transitory Provision

Candidates who have joined the programme from the academic year 2016-17 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.

## 17. Plagiarism check Certificate

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

## 18. Question Paper Pattern

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

**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**COURSE STRUCTURE FOR M.Phil. PROGRAMMES**  
**(CBCS PATTERN)**  
**(For the Candidates admitted from the academic year 2020 –2021)**

COURSE STRUCTURE FOR M. Phil. MATHEMATICS									
SEM	COURSE CODE	COURSE	COURSE TITLE	HRS./ WEEK	CREDIT	EXAM HRS.	MAX MARKS		
							IA	EXAM	TOTAL
I	MPHAMS01	Core I	Algebra and Analysis	5	5	3	25	75	100
	MPHAMS02	Core II	Topology and differential Equations	5	5	3	25	75	100
	MPHACC03	Core III	Research and Publication Ethics	5	5	3	25	75	100
	MPHAMS04	Elective I	<b>(To choose 1 out of 4)</b> 1. Probability Models and Applications 2. Banach Algebra 3. Fuzzy Sets and their Applications 4. Lie groups and Ordinary Differential Equations	5	5	3	25	75	100
II	MPHAMS05	Elective II	<b>Dissertation</b> (To be Chosen According to <b>Elective I and Paper II</b> )	-	20	-	-	150	150
			Viva-Voce	-	-	-	-	50	50
<b>TOTAL</b>				-	<b>40</b>	-	<b>100</b>	<b>500</b>	<b>600</b>

COURSE STRUCTURE FOR M. Phil. PHYSICS									
SEM	COURSE CODE	COURSE	COURSE TITLE	INS HRS./ WEEK	CREDIT	EXAM HRS.	MAX MARKS		
							IA	EXAM	TOTAL
I	MPHAPY01	Core I	Research Methodology	5	5	3	25	75	100
	MPHAPY02	Core II	Advanced Physics	5	5	3	25	75	100
	MPHACC03	Core III	Research and Publication Ethics	5	5	3	25	75	100
	MPHAPY04	Elective I	<b>(To choose 1 out of 4)</b> 1. Applied Spectroscopy & Molecular Dynamics 2. Applied Spectroscopy & Chemical Physics 3. Physics of Thin films and Nano-Materials 4. Nano Luminescence	5	5	3	25	75	100
II	MPHAPY05	Elective II	<b>Dissertation (To be chosen According to Elective I)</b>	-	20	-	-	150	150
			Viva-Voce	-	-	-	-	50	50
<b>TOTAL</b>				-	<b>40</b>	-	<b>100</b>	<b>500</b>	<b>600</b>

COURSE STRUCTURE FOR M. Phil. CHEMISTRY									
SEM	COURSE CODE	COURSE	COURSE TITLE	HRS./ WEEK	CREDIT	EXAM HRS.	MAX MARKS		
							IA	EXAM	TOTAL
I	MPHACH01	Core I	Research Methodology	5	5	3	25	75	100
	MPHACH02	Core II	Advanced Chemical Analysis	5	5	3	25	75	100
	MPHACC03	Core III	Research and Publication Ethics	5	5	3	25	75	100
	MPHACH04	Elective I	<b>(To choose 1 out of 5)</b> 1. Polymer and advanced organic chemistry 2. Oxidation and reduction reaction in organic Chemistry 3. Computational Chemistry 4. Kinetic studies of co-ordination complexes 5. Polymer synthesis and characterization.	5	5	3	25	75	100
II	MPHACH05	Elective II	<b>Dissertation (To be chosen According to Elective I)</b>	-	20	-	-	150	150
			Viva-Voce	-	-	-	-	50	50
<b>TOTAL</b>				-	<b>40</b>	-	<b>100</b>	<b>500</b>	<b>600</b>

COURSE STRUCTURE FOR M. Phil. BIOCHEMISTRY									
SEM	COURSE CODE	COURSE	COURSE TITLE	HRS./ WEEK	CREDIT	EXAM HRS.	MAX MARKS		
							IA	EXAM	TOTAL
I	MPHABI01	Core I	Research Methodology	5	5	3	25	75	100
	MPHABI02	Core II	Analytical Methods	5	5	3	25	75	100
	MPHACC03	Core III	Research and Publication Ethics	5	5	3	25	75	100
	MPHABI04	Elective I	<b>(To choose 1 out of 2)</b> 1. Genetics and Molecular Biology 2. Diagnostics in the control of disease	5	5	3	25	75	100
II	MPHABI05	Elective II	<b>Dissertation</b> <b>(To be chosen According to Elective I)</b>	-	20	-	-	150	150
			Viva-Voce	-	-	-	-	50	50
<b>TOTAL</b>				-	<b>40</b>	-	<b>100</b>	<b>500</b>	<b>600</b>

COURSE STRUCTURE FOR M. Phil. BIOTECHNOLOGY									
SEM	COURSE CODE	COURSE	COURSE TITLE	HRS./ WEEK	CREDIT	EXAM HRS.	MAX MARKS		
							IA	EXAM	TOTAL
I	MPHABT01	Core I	Research Methodology	5	5	3	25	75	100
	MPHABT02	Core II	Advanced Biotechnology	5	5	3	25	75	100
	MPHACC03	Core III	Research and Publication Ethics	5	5	3	25	75	100
	MPHABT04	Elective I	<b>(To choose 1 out of 4)</b> 1. Bioprospecting Technology 2. Plant Biotechnology 3. Aquaculture Biotechnology 4. Microbial Biotechnology	5	5	3	25	75	100
II	MPHABT05	Elective II	<b>Dissertation</b> <b>(To be chosen According to Elective I)</b>	-	20	-	-	150	150
			Viva-Voce	-	-	-	-	50	50
<b>TOTAL</b>				-	<b>40</b>	-	<b>100</b>	<b>500</b>	<b>600</b>

COURSE STRUCTURE FOR M. Phil. COMPUTER SCIENCE									
SEM	COURSE CODE	COURSE	COURSE TITLE	HRS./ WEEK	CREDIT	EXAM HRS.	MAX MARKS		
							IA	EXAM	TOTAL
I	MPHACS01	Core I	Research Methodology	5	5	3	25	75	100
	MPHACS02	Core II	Computer Graphics and Image Processing	5	5	3	25	75	100
	MPHACC03	Core III	Research and Publication Ethics	5	5	3	25	75	100
	MPHACS04	Elective I	<b>(To choose 1 out of 5)</b> 1.Data Mining & Data Warehousing & Business Intelligence 2.Wireless Networking & Pervasive Computing 3. Information & Cyber Security 4. Cloud Computing & Virtualization 5. Big Data Analytics	5	5	3	25	75	100
II	MPHACS05	Elective II	<b>Dissertation (To be chosen According to Elective I)</b>	-	20	-	-	150	150
			Viva-Voce	-	-	-	-	50	50
<b>TOTAL</b>				-	<b>40</b>	-	<b>100</b>	<b>500</b>	<b>600</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	MPHAHI01	Core I	Research Methodology	5	5	3	25	75	100
	MPHAHI02	Core II	Historiography	5	5	3	25	75	100
	MPHACC03	Core III	Research and Publication Ethics	5	5	3	25	75	100
	MPHAHI04	Elective I	Main Currents in the 20 <sup>th</sup> Century Tamil Nadu	5	5	3	25	75	100
II	MPHAHI05	Elective II	<b>Dissertation (To be chosen According to Elective I)</b>	-	20	-	-	150	150
			Viva-Voce	-	-	-	-	50	50
<b>TOTAL</b>				-	<b>40</b>	-	<b>100</b>	<b>500</b>	<b>600</b>



COURSE STRUCTURE FOR M. Phil. COMMERCE									
SEM	COURSE CODE	COURSE	COURSE TITLE	INS HRS/ WEEK	CREDIT	EXAM HRS	MAX MARKS		
							IA	EXAM	TOTAL
I	MPHACO01	Core I	Research Methodology	5	5	3	25	75	100
	MPHACO02	Core II	Data Analyses & SPSS	5	5	3	25	75	100
	MPHACC03	Core III	Research and Publication Ethics	5	5	3	25	75	100
	MPHACO04	Elective I	<b>(To choose 1 out of 3)</b> 1. Organizational Behaviour 2. Consumer Behaviour 3. Marketing Management	5	5	3	25	75	100
II	MPHACO05	Elective II	<b>Dissertation</b> <b>(To be chosen According to Elective I)</b>	-	20	-	-	150	150
			Viva-Voce	-	-	-	-	50	50
<b>TOTAL</b>				-	<b>40</b>	-	<b>100</b>	<b>500</b>	<b>600</b>

**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.

\*\*\*\*\*