

# **JAMAL MOHAMED COLLEGE (Autonomous)**

College with Potential for Excellence  
Accredited with 'A' Grade by NAAC- CGPA 3.6 out of 4.0  
(Affiliated to Bharathidasan University)

**TIRUCHIRAPPALLI - 620 020.**



Since 1951

## **HAND BOOK ON AUTONOMY**

**Volume - V**

(Third Edition : October - 2015)

**JUNE 2014**



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TAMIL NADU, INDIA



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# Founders



**Hajee. M. Jamal Mohamed Sahib**



**Janab. N.M. Khajamian Rowther**



**Janab. M.J. Jamal Mohideen Sahib**  
**Founder Secretary**



**Janab.K. Abdul Samad Sahib**  
**Founder Treasurer**

# Management Committee



**Janab. M.J. JAMAL MOHAMED BILAL Saheb**  
President



**Dr.A.K.KHAJA NAZEEMUDEEN Saheb**  
Secretary & Correspondent



**Hajee. K.A. KHALEEL AHAMED Saheb**  
Treasurer



**Hajee. M.J.JAMAL MOHAMED Saheb**  
Assistant Secretary



**Dr. S. Mohamed Salique, M.Sc., Ph.D., B.Ed.,**

**Principal**

**Jamal Mohamed College (Autonomous)  
Tiruchirappalli – 620 020**

**Off : (0431) 2331035**

**Website : [www.jmc.edu](http://www.jmc.edu)**

**E-mail : [principaljmc@ymail.com](mailto:principaljmc@ymail.com)**



## **PREFACE**

Jamal Mohamed College, administered by the society of Jamal Mohamed College, was established for providing higher education to the downtrodden and socially backward sections of the society in general and Muslim minority in particular. Initially there were 250 students and 12 staff members in the Intermediate and Degree courses in B.A (Islamic History) and B.A (Economics).

The College has grown into a multi-faculty institution over the years offering diversified undergraduate, post-graduate and research programmes with a total strength of around 11,000 students. At present, the college is offering B.A. Arabic, Economics, English, History, B.Sc. Botany, Chemistry, Computer Science, Mathematics, Physics, Zoology and B.Com in the aided stream. Likewise, B.A. English, B.Sc. Computer Science, Hotel Management & Catering Science, Information Technology, Mathematics, Physics, Chemistry, Fashion Technology & Costume designing, Nutrition and Dietetics, BCA, BBA and B.Com are offered in the SF stream. The PG courses offered under Aided stream are M.A. Arabic, Economics, English and Tamil, M.Sc. Botany, Chemistry, Mathematics, Physics, Zoology, M.C.A and M.Com. PG courses offered under SF stream include M.A. Arabic, English, History, M.Sc. Biotechnology, Bioinformatics, Chemistry, Computer Science, Information Technology, Microbiology, Physics, Zoology, M.S.W, M.C.A, M.Com, M.B.A for both men and women. The College also offers M.Phil and Ph.D Research Programmes in almost all disciplines.

The National Assessment and Accreditation Council, an Autonomous Institution of the University Grants Commission, accredited the college at Five Star level in 2002 and Reaccredited during 2008 and awarded with 'A' Grade – CGPA 3.6 out of 4.0. The College was conferred with Autonomous Status in 2003-2004. New syllabus under Choice Based Credit System (CBCS) was introduced and the hand book on Autonomy Volume-I was brought out. The syllabus was revised with effect from the academic year 2007-2008 and the Hand Book on Autonomy Volume-II was then released. Another revision was made in 2008-2009 and the Handbook on Autonomy Volume-III was published. During 2011-2012 Handbook of Autonomy Volume-IV was brought out.

This Volume-V covers the regulations with effect from 2014-2015 relating to admission, Courses of study, and Examination pattern for the UG, PG and M.Phil Programmes.

**PRINCIPAL**

## SHOW US THE RIGHT PATH

*In the name of Allah,  
The beneficent, the merciful.*

Praise be to Allah, Lord of the Worlds,  
The Beneficent the Merciful  
Owner of the Day of Judgement,  
Thee alone we worship,  
Thee alone we ask for help,  
Show us the right path,  
The path of those whom thou hast favoured;  
Not the path of those who earn thine wrath,  
Nor of those who go astray.  
Ameen!

(Al-Quran 1:1-7)

## VISION AND MISSION

### VISION

*"Excellence and Beyond Excellence"*

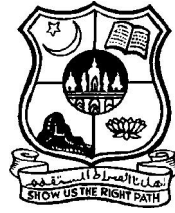
To become a world class, highly acclaimed, innovative and Competitive Centre of academic and extra academic excellence in Higher Education by offering value added and socially relevant programmes to the students including minority, backward and socially disadvantaged sections of the society.

### MISSION

To provide a unique experience which will enable the students to realize their innate potential and mould their overall personality by:

- ◆ offering quality education at affordable cost
- ◆ developing Skills and providing Career opportunities
- ◆ inculcating and nurturing ethical, spiritual, moral and human values
- ◆ promoting Consultancy activity, Research and Development
- ◆ creating interest and instilling confidence for achievement

## OUR EMBLEM AND MOTTO



Since 1951

The emblem of the college consists of a Shield divided into four parts with a circle in the middle. On the top left, there is a crescent and star symbolic of Islamic Culture and faith in future prosperity. On the right there is an open book symbolising knowledge. At the bottom right, there is a lotus, the Hindu symbol for purity and prosperity. The bottom left represents a replica of Golden Rock Standing for Strength and Striving. Inset in the mid-circle is the frontage of the old main building with a dome and minarets representing the essence of Islamic Culture : the present is a preparation for the hereafter. Underneath the shield is a ribbon containing a verse from the Holy Quran in Arabic Script followed by its translation in English, “Show us the right path”, which is the motto of the College. Thus, the emblem of Jamal enshrines here and hereafter, tempered with constant prayer to the Almighty to guide us on the straight path.

The four figures in the shield are diagonally placed with Green and Yellow backgrounds. In other words, our College colours consist of Green and Yellow, standing for Prosperity and Happiness.

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## **PROFILE OF THE SOCIETY**

### **PROFILE OF THE SOCIETY**

The Society of Jamal Mohamed College is established in a sprawling land area of 87 acres (60 acres in the present location and 27 acres in Veerampatti Village near Bharathidasan University) as a religious minority institution with the primary objective of providing higher education to the down-trodden and socially backward sections of the society in general and Muslim minority in particular. Janab. M.Jamal Mohamed Sahib and

Janab. N.M.Khajamian Rowther of revered memory were the founding fathers.

In addition to Jamal Mohamed College (Autonomous), the Society has established and is administering the following institutions:

- (i) Jamal Mohamed College Typewriting Institute (2007) approved by the Department of Technical Education, Government of Tamilnadu.
- (ii) Jamal Mohamed College of Teacher Education (2007) offering B.Ed. Course approved by National Council for Teacher Education, Bangalore and affiliated to Bharathidasan University, Tiruchirappalli in 2007 and later to Tamilnadu Teacher Education University, Chennai from 2008.
- (iii) Jamal Mohamed College Ayesha Girls' Matriculation Higher Secondary School (2009) approved by Director of Matriculation Schools, Government of Tamilnadu.
- (iv) Jamal Mohamed College of Hotel Management Industrial School (2009) approved by Department of Employment & Training, Government of Tamilnadu.

### **PROFILE OF THE COLLEGE**

#### **MANAGEMENT OF THE COLLEGE**

The college was founded in 1951 and the founding Management Committee of the college consisted of Janab N.M.Khajamian Rowther as the founder President (1951-1954), Janab.M.J.Jamal Mohideen Sahib as the founder Secretary (1951-1966) and Janab N.M.K.Abdul Samad Sahib(1951-1964) as the founder Treasurer.

Hajee. M. J. Jamaludeen Sahib, who succeeded Janab. M. J. Jamal Mohideen Sahib as Secretary and Correspondent from 1966, functioned till 1973. Hajee. Janab N. M. K. Abdul Khader Sahib, served as Treasurer from 1964 till 1973. On the sad demise of Hajee. M. J. Jamaludeen Sahib, Hajee. Janab N.M. K. Abdul Khader Sahib took over as Secretary and Correspondent in the year 1973 and served till 1988. Hajee. M.J.M.Abdul Gafoor Sahib took over as Treasurer in the year 1973.

Hajee. M. B. Abdullah Sahib, who served as the President from 1975 to 1988, also served as Secretary for one year from 1988 to 1989. Hajee. K. A. Khaleel Ahamed Sahib became the Treasurer in 1989 and he continues to serve as Treasurer till date.

Janab. N. M. K. Abdul Khaliq Sahib was the President from 1989 till 1995. Janab M. J. Noordeen Sahib served as President from 1996 to 2014. Janab. M.J. Jamal Mohamed Bilal Sahib was included as a member in the Society of Jamal Mohamed College and also elected as President in 2014.

Janab. Hajee. M. J. M. Abdul Gafoor Sahib, served as Treasurer from 1973 to 1989. He was elected as Secretary and Correspondent in 1989 and served till 2011. He had the distinction of serving during the time of Silver Jubilee, the Golden Jubilee and Diamond Jubilee of the college.

Dr. A. K. Khaja Nazeemudeen Sahib, who has been serving as the member of the Management Committee from 1995 was elected to the post of Assistant Secretary in the year 2003 and was elected as Secretary & Correspondent in 2011.

Hajee. M. J. Jamal Mohamed Sahib was included as a member in the Society of Jamal Mohamed College and also elected as Assistant Secretary in 2011.

The college has grown from strength to strength under the able leadership of great men who adorned the seat of Principalship from 1951 onwards. Late. Alhaj Janab. M.J. Mohamed Sayeed M.A., LT, was the first Principal from 1951 to 1970. Prof. E.W.P. Thomas M.A., was the Principal from 1970 to 1971. Late Hajee. Prof. E.P. Mohamed Ismail became the Principal in 1971 and held the office upto 1985.

Dr. C. Nainar Mohamed M.A., Ph.D., was the Principal from 1985 to 1989. Prof. Hajee. N. Abdul Samadh M.A., M.Phil., became the next Principal and held the office from 1989 to 1998. Dr. K. Abdullah Basha M.A., M.Phil., Ph.D., was the Principal from 1998 to 2003.

Dr. M. Sheik Mohamed M.Com., M.Phil, FICWA., PGDCA., PGDFM., Dip. MA, MBA., M.Phil (Mangt), Ph.D., was the Principal from 2003 to 2011.

Dr. R. Khader Mohideen, M.Com., M.B.A., M.Phil, Ph.D., was the Principal from 2011 to 2013.

Dr. A. M. Mohamed Sindhasha, M.Com., M.Sc.(Psy), M.Phil., M.B.A., Ph.D., was the Principal from 1st June 2013 to 24<sup>th</sup> June 2014.

Dr. S. Mohamed Salique, M.Sc., B.Ed., Ph.D., Dip. in Arabic was the Principal incharge from 25<sup>th</sup> June 2014 to 18<sup>th</sup> July 2014.

Dr. S. Mohamed Salique, M.Sc., B.Ed., Ph.D., Dip. in Arabic was appointed as the Principal from 19<sup>th</sup> July 2014.

## **PROFILE OF THE COURSES**

Jamal Mohamed College was founded in 1951, as an affiliated college to the University of Madras and then affiliated to Bharathidasan University, Tiruchirappalli, since its inception in 1982.

The college was inaugurated on 11th July 1951 by Hon'ble. Thiru. P.S. Kumarasamy Raja, the then Chief Minister of Madras with His Excellency, the Maharaja of Bhavanagar, the then Governor of Madras presiding over the function.

Over the period of 6 decades, the college was able to scale greater and greater heights and rise to the present status as a multi-faculty institution with 11 UG programmes, 11 PG programmes and 2 M.Phil. Programmes under Government Aided stream and 8 U.G. programmes, 14 P.G programmes, 15 M.Phil. and 15 Ph.D. programmes under self financing stream for men by promoting quality and excellence in higher education due to the sustained efforts and dedicated leadership given by the College Management Committee.

The college also offers 12 U.G., 14 P.G. programmes, 15 M.Phil and 15 Ph.D programmes exclusively for women as part of women empowerment during the second shift of the College.

In the year 1951, the college had Intermediate Courses, B.A.Economics, and B.A.(Islamic History) with an initial student strength of 250 and staff strength of 12. B.Com was started in 1952. Later several undergraduate programmes like B.A.English Literature, B.Sc. Mathematics, Physics, Chemistry and Zoology were added.

During the year 1957, the college bagged all prizes in several intercollegiate competitions organized by the University of Madras as part of the Centenary Celebrations of the University. At that time the college got the single honour of being bracketed with the thirty best colleges in India when Danforth Foundation of USA selected the college for the award of study fellowships in U.S.A. to three of the faculty members Prof. V.Hari Rao, Prof.Devanathan and Prof.Mohamed Essa.

In 1963, the college was elevated to the status of a post graduate college with affiliation granted for M.A.Economics and M.Sc.Mathematics. Other PG programmes like Physics, English Literature, Zoology, and Commerce were added subsequently.

In the year 1972, the college was upgraded as a Centre for advance research work leading to the Doctorate degree in the PG Department of Zoology. The PG Department of Physics was recognized as a Centre for Ionospheric Research programme to be conducted in collaboration with the Physical Research Laboratories, Ahmedabad. In subsequent years, research programmes leading to M.Phil and Ph.D were added in the Departments of Mathematics, Chemistry, English, Commerce, Economics, Tamil, Botany, and Physics.

During the year 1972, the college was recognized by UGC New Delhi, for Grant purposes under section 2(F) and 12(B) of the University Grants Commission Act 1956.

In 1977-78, on the recommendation of the University of Madras, the UGC recognized the college as one of the ten "Lead Colleges" in the university area. As a lead college, select programmes were started in collaboration with leading business houses and employment agencies, with a view to providing qualitative development and academic lead to the colleges in the region.

In 1986, B.Sc. Computer Science programme was started marking the beginning of Computer Era in the college. In subsequent years, programmes like MCA, M.Sc. Computer Science, M.Sc. (IT), M.Sc. Microbiology were added to the already existing programmes.

In 1996, the college was selected by the UGC to offer vocational programmes entitled "Office Management and Secretarial Practice" at the UG level upto the year 2002.

In tune with the changes taking place in all walks of life, in 1999, the Management of the college started exclusive women sections both at the UG and PG levels in the subjects like Computer Science, Information Technology, Commerce, Business Administration, Mathematics, English and Arabic Literature leading to Women's empowerment.

The AICTE-approved MBA programme was started in the year 2000.

During the year 2004-05, the AICTE accorded extension of approval to the existing MCA Self Finance programmes conducted from 1992 onwards. M.Sc. Bio-Technology, B.Litt. were introduced in the regular day college. M.Phil. in Chemistry, Computer Science and Arabic were also started.

UGC, Government of Tamil Nadu and Bharathidasan University conferred Autonomous status for a period of 6 years from 2004-2005 for all programmes including the AICTE approved. M.C.A. & M.B.A. introducing Choice Based Credit System.

During 2005-2006 the college started B.Sc. Chemistry, B.Sc. Physics, M.Sc. Mathematics for women and M.A. History and B.B.A. for men.

During 2005-2006, UGC approved Six Career Oriented Programmes (COP) leading to Certificate, Diploma and Advance Diploma courses in Journalism, Tourism and Travel Management, Functional Urdu, Computer Application and Multilingual with Printing Technology, Domestic Chemistry and Quality Assurance, Medical Lab. Technology and Computer Hardware and Network Administration.

During 2006-2007, Master of Social Work (M.S.W), M.Sc. (Bio-Informatics) and M.Phil. in Management Studies were started.

AICTE accorded extension of approval to the existing MCA regular programmes (Govt. Aided) conducted from 1988-89 onwards, thus making the total approved intake to 120.

Computerized Calligraphy Training Centre, approved by National Council for Promotion of Urdu Language (Ministry of HRD, New Delhi) is offering Diploma in Computer Applications and Multilingual DTP.

The Department of Commerce is accredited by ICWA Institute for offering coaching in Foundation courses in ICWA, Tally Accounting Packages and CAT.

Department of Economics is offering Typewriting and Shorthand courses to the students. The centre has 22 typewriters. The centre is recognised as Jamal Mohamed College Typewriting Institute by the Department of Technical Education.

The Guidance and Counseling Centre is offering remedial education and competitive coaching classes to educationally backward and minority community students and SC / ST students.

During 2008-09, B.Sc. Hotel Management & Catering Science and B.Sc.(I.T) were started for Men. B.Sc. Nutrition & Dietetics and B.Sc. Fashion Technology & Costume Design were started for women.

During 2009-10, affiliations were obtained for Ph.D., in Management Studies and Computer Science, During 2009 10, AICTE approved an additional intake of 60 in MBA, making the total intake as 120. The University has also accorded affiliation for the same. Affiliation was also received for UGC approved Career Oriented Programme on Computer Application in Commerce.

During 2009-10, Arabic and Islamic Research Centre was established with the funding from Saudi Embassy, New Delhi.

The Entrepreneurial Development Cell is established to train the students with the skills to start a business. UGC Sponsored Day Care Centre, Equal Opportunity Centre and Centre for Differently abled persons were established.

During 2009-10, on completion of 6 years of Autonomy, UGC and Bharathidasan University issued orders for extension of autonomy upto 2015-2016.

PG Diploma in Islamic Banking and Financial Management, PG Diploma in Fermentation Technology and UGC approved COP in E-Mathematical Tools were started.

During 2010-11, the The MBA programme was accredited by NBA of AICTE.

UGC New Delhi has conferred the college with the status of "College with Potential for Excellence" during 2011-2012.

The College has started M.Sc. Fashion Technology & Costume Designing and M.Sc. Nutrition & Dietetics for women Students from 2011-12. The College also has revised the syllabus for all UG, PG and M.Phil., programmes for implementation from 2011-12.

During 2012-13, Ph.D. programmes in Biotechnology, Microbiology, Physical Education, M.Phil., programmes in Biotechnology, Microbiology and B.Sc. Biotechnology and also Advanced Diploma in Computer Applications with Arabic programmes were introduced.

During the academic year 2013-14, P.G. Diploma in Biodiversity Informatics under UGC sponsored innovative scheme was introduced.

During 2013-14, Our College is identified by the Ministry of Human Resource Development (MHRD) as one of the 45 Colleges in India to be accorded the power to grant degrees in the status of a state university.

During 2014-15, Jamal Institute of Management has been ranked in Category 'A' by the All India Management Association (AIMA), New Delhi, Business Standard B-Schools Ratings.

During the academic year 2015-16, B.Sc. Micro Biology for women, B.Sc., Mathematics (Additional Section - III) for women and B.Com. (Additional Section - VIII) for men were started.

## REGULATIONS FROM 2014 – 2015

### 1. Eligibility for UG programme

**(i) For Admission:** A pass in the Higher Secondary Examination (Academic / Vocational Stream) conducted by the Government of Tamil Nadu; or an examination accepted as equivalent, subject to such conditions as may be prescribed therefor:-

Provided that the candidates who have passed the qualifying examination with Commerce/Accountancy as one of the subjects of study shall be given preference in admission to B.Com. and BBA Degree Programmes. Provided that the candidates who have passed the qualifying examination with Mathematics / Business Mathematics as one of the subjects of study shall be given preference in admission to BCA programme.

**(ii) For the Degree:** The candidates shall have subsequently undergone the prescribed course of study in this college affiliated to Bharathidasan University for a period of not less than three academic years, passed the examinations prescribed and fulfilled such conditions as have been prescribed therefor.

### **(iii) Courses offered**

#### **UG Programmes offered:**

##### **Arts :**

Arabic  
Bachelor of Literature (B.Litt.Tamil)  
Business Administration (BBA)  
Commerce (B.Com)  
Economics  
English  
History

##### **Science :**

Botany  
Biotechnology  
Chemistry  
Computer Application  
Computer Science  
Fashion Technology & Costume Designing  
Hotel Management & Catering Science  
Information Technology  
Mathematics  
Microbiology  
Nutrition & Dietetics  
Physics  
Zoology

## 2. Eligibility for PG programme

### i) For Admission

A candidate who is a graduate of any recognised University in the main subject / subjects as given below against each: Provided that candidates who have qualified for the B.A. / B.Sc. / B.Com. / BCA / BBA./ B.Litt. shall also be eligible for M.A. Programmes in the Language concerned offered by them under Part I, Part II and Part IV (Non Major Electives) provided they study with at least 12 credits.

#### Arts

1. M.A. Arabic : B.A. Arabic / Afzalul-ulama/ Any degree with Diploma in Arabic
2. M.A. Economics : B.A. Economics / B.Com. / B.B.A. / B.Sc. Mathematics / B.Sc. Statistics
3. M.A. English : B.A. English
4. M.A. History : Any Graduate; preference will be given to History Graduates
5. Master of Social Work : Any Degree
6. M.A. Tamil : B.A. Tamil / Applied Tamil / B.Lit. Tamil / Pulavar with two additional papers as prescribed
7. M.Com. : B.Com./ B.Com. (Applied)/ B.A. Corporate Secretaryship / B.B.A. / B.A. Co-operation / B.Com. (Bank Management)
8. MBA (AICTE approved): Any Degree

#### Science

##### M.Sc.

A candidate who is a graduate of any recognized University in the main subject / subjects as given below against each or who has passed an examination as equivalent thereto.

1. M.Sc. Botany : B.Sc. Botany / Plant Sciences
2. M.Sc. Biotechnology : B.Sc. Botany / Biology / Microbiology / Zoology / Biotechnology / Biochemistry/ Chemistry with Botany or Zoology as Allied
3. M.Sc. Bioinformatics : Any Degree in Bachelor of Science
4. M.Sc. Chemistry : B.Sc. Chemistry
5. M.Sc. Computer Science : Any Degree (with Mathematics or Statistics at Plus Two level / as an allied subject / as major at Degree level)
6. M.Sc. Fashion Technology & Costume Designing : B.Sc. Fashion Technology/ B.Sc. Home Science or Any degree related to Textiles, Costume and Fashion
7. M.Sc. Information Technology : Any Degree (with Mathematics or Statistics at Plus Two level / as an allied subject / as major at Degree level) or B.E./ B.Tech. (Except Computer Science branch) / AMIE.
8. M.Sc. Mathematics : B.Sc. Mathematics
9. M.Sc. Microbiology : B.Sc. Botany / Zoology / Biology / Nutrition & Dietetics /Bio-Chemistry/ Biotechnology or B.Sc. Chemistry with Botany or Zoology



as Allied. Botany or Zoology or Biology as Allied subjects in B.Sc. Degree or B.Sc. Microbiology as Major or Allied subjects

10. M.Sc. Nutrition & Dietetics : B.Sc. Nutrition and Dietetics / Home Science or any Home Science Allied Chemistry / B.Sc. Microbiology with Biochemistry.
11. M.Sc. Physics : B.Sc. Physics with Mathematics as Allied
12. M.Sc. Zoology : B.Sc. Zoology / Environmental Zoology with Botany or Chemistry as Allied
13. MCA (AICTE approved) : B.Sc. Computer Science/ Information Technology or BCA or B.Sc. with major Mathematics or Physics/Chemistry with Mathematics Allied

### 3. Duration

UG Programme : 3 years; PG Programme: 2 years; MCA-3 years; M.Phil: Full Time 1 year; Part Time 2 years. Each academic year shall comprise of two semesters viz. Odd and Even semesters. Odd semesters shall be from June / July to October / November and Even Semesters shall be from November / December to April / May. There shall be not less than 90 working days which shall comprise 450 teaching clock hours for each semester. (Exclusive of the days for the conduct of End-Semester Examinations).

In each semester, courses are offered in 15 teaching weeks and the remaining 3 weeks are to be utilized for the conduct of examinations and evaluation purposes. Each week has 30 working hours spread over 6 days a week.

### 4. The CBCS System

All Programmes mentioned earlier shall be conducted on Choice Based Credit System (CBCS). It is an instructional package developed to suit the needs of students to keep pace with the developments in higher education and the quality assurance expected of it in the light of liberalization and globalization in higher education.

The term 'Credit' refers to the weightage given to a course, usually in relation to the instructional hours assigned to it. However, in no instance the credits of a course can be greater than the hours allotted to it. Each Course is designed variously under lectures / tutorials / laboratory or field work / seminar / practical training / Assignments / Report writing etc., to meet effective teaching and learning needs.

### 5. Courses in Programmes

The UG programme consists of a number of courses. The term 'course' is applied to indicate a logical part of the subject matter of the programme and is invariably equivalent to the subject matter of a "paper" in the conventional sense. The following are the various categories of Courses offered for the UG programmes.

Language Courses (LC) (any one of Tamil, Hindi, French, Arabic, Urdu), English Language Courses (ELC), Core Courses (CC), Allied Courses (AC), Major Based Elective Courses(MBEC), Non Major Elective Courses (NMEC), Skill Based Elective Courses (SBEC), Environmental Studies, Value Education, and Gender Studies Courses.

The Language Courses and English Language Courses, four each in number, are meant to develop the students' communicative skills at the UG level. Core Courses are the basic courses compulsorily required for each of the programme of study. These will be related to the subject of the programme in which the candidate gets the degree. There shall be 17 Core Courses. Allied Courses cover two disciplines that are generally related

to the main subject of the programme. There shall be 4 Allied Courses. There are 4 major based electives under Part III. There are 2 Non Major Electives, one paper each in Environmental Studies, Value Evaluation and 4 Skill Based Electives under Part IV. There is a Gender Studies paper under Part V. courses with Extra Credit are offered in 4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> semesters. These are self study courses and are optional.

### Under Graduate Programmes

The following are the credits for BA, B.Sc, B.Com, BCA, and BBA programmes with effect from 2014-15.

S. No.	Courses	No.of Courses	Total Hrs during the Program	No. of Credits	Total Credits	Marks
1.	<b>Part I – Tamil (I to IV semester)</b>	4	24 @ 6 Hours	3	12	400
2.	<b>Part II - English ( I to IV semester)</b>	4	24 @ 6 Hours	3	12	400
3.	<b>Part III - Allied courses (I to IV Semester)</b>	4	30 @ 5/ 6/ 7 / 8 Hours	4	16	400
4.	<b>Part III - Core Courses (I to VI Semester)</b>	17	72 @ 4 / 5 Hours	4	68	1700
5.	<b>Part III – Major Based Electives</b>	4	12 @ 3 Hours	3	12	400
6.	<b>Part IV – Non-Major Courses</b>					
	Non Major Electives including for other language students. Basic Tamil / Advanced Tamil (II & III Semester)	2	4 @ 2 Hours	2	4	200
	Environmental Studies (II Semester)	1	2 Hours	2	2	100
	Value Education (I Semester)	1	3 Hours	3	3	100
	Skill Based Electives (III to VI Semester)	4	8 @ 2 Hours	2	8	400
7.	<b>Part-V Extension activity (I &amp; II Year)</b>	-	-	2	2	-
	<b>Part-V Gender Studies – VI Semester</b>	1	1 @ 1 hour	1	1	100
8.	<b>Courses with Extra Credit (IV to VI Semester)</b>	4*	-	4*	16*	400*
<b>Total</b>		<b>42</b>	<b>180 Hours</b>	<b>-</b>	<b>140</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

### PART-I: Language Course (LC)

The college offers Tamil, Arabic, Hindi, Urdu, French as first language. An undergraduate student must take any one of them as first language. He must earn 12 credits (3 credits per semester in the first four semesters). Part I carries 400 marks in the first 4 semesters.

### PART-II: English Language Course (ELC)

All the UG students shall go through this programme for the first four semesters. A student must earn 12 credits (four credits per semester in the first four semesters). Part II carries 400 marks in the first 4 semesters.

### **PART III: Allied Courses (AC)**

Besides Core Courses, an undergraduate student must study allied courses which may help to understand Core Courses well. The students will study 4 papers of 4 credits each with 16 total credits carrying 400 marks.

### **PART III: Core Courses (CC)**

There are 17 Core Courses, which are considered essential for each major subject. Each department will decide on the title of courses, theory for Arts subject, theory and practicals for Science subject. The Core Courses carry 68 total credits with 1700 marks.

### **PART III: Major Based Electives (MBE)**

There are 4 major based elective courses carrying 12 total credits with 400 marks.

### **PART IV: Non Major Electives (NME)**

There are two courses - one in the II semester and one in the III semester with 2 credits each. It is open to all students, irrespective of the Department. **No student shall be permitted to take up Non-Major Elective offered by the same department.** Students have to choose Non-Major Elective offered by other departments only.

✍ In case of languages, the students who study Arabic, Hindi, French and Urdu will study one course on Basic Tamil during II & III semesters. The students who have studied Tamil in Higher Secondary School and taken other languages as Part – I, have to study Advanced Tamil during these semesters. Others will study other Non Major Electives.

### **PART IV: Skill Based Electives (SBE) :**

Four Courses are offered with 2 credits each.

### **PART IV: Other Courses :**

They include the Value Education and Environmental Studies with 3 and 2 Credits each respectively.

### **Compulsory Additional Credits to be earned (Outside the Class Hours)**

### **PART V : Extra Curricular Courses (ECC)**

a) The Extra Curricular Courses include activities of the NSS, NCC, RRC, Youth Red Cross, Fine Arts, Leo Club, Rotaract Club, Consumer Club, Anti Dowry Association and Sports. All the students have to involve themselves in any one of the extension services for first four semesters. This will carry 2 credit.

Grades will be awarded on the basis of participation, performance and behaviour. Grades shall be entered in the mark statement during IV semester as given below:

A: DISTINCTION      B: VERY GOOD      C: GOOD      D: FAIR

b) **College Out-Reach Programme: JAMCROP (Jamal Mohamed College Community Reach Out Programme)** Under this programme, each student should spend 10 hours per semester during I or II semesters in adopted villages and participate in the specific activities identified for each Department for the integrated growth of the adopted village. They should earn Grades as A / B / C / D as above.

c) During VI semester, there is a course on Gender Studies with one credit.

## Post Graduate Programmes

The following are the credits for PG programmes: **Arabic, Bio-Technology, Botany, Chemistry, Commerce, Economics, English, History, Mathematics, Microbiology, Physics, Tamil and Zoology.**

S.No.	Courses	Total Hours during the Programme	No. of Credits	Total Credits	Marks
1.	Core Courses (15 courses)	90 @ 6 Hours	5	75	1500
2.	Core Based Elective Courses (4 courses)	24 @ 6 Hours	5	20	400
3.	Project**	6 Hours	5	5	100
	Courses with Extra Credit (2 courses) (III and IV Semester)	-	5*	-	200*
<b>Total</b>		<b>120 Hours</b>	<b>-</b>	<b>100</b>	<b>2000</b>

The following are the credits for **M.Sc Fashion Technology & Costume Designing** and **M.Sc Nutrition & Dietetics.**

S.No.	Courses	Total Hours during the Programme	No. of Credits	Total Credits	Marks
1.	Core Courses (15 courses)	90 @ 6 Hours	5	75	1500
2.	Core Based Elective Courses (3 courses)	18 @ 6 Hours	5	15	300
3.	Project**	12 Hours	10	10	200
	Courses with Extra Credit (2 courses) (III and IV Semester)	-	5*	-	200*
<b>Total</b>		<b>120 Hours</b>	<b>-</b>	<b>100</b>	<b>2000</b>

The following are the credits for **M.Sc. Computer Science** and **M.Sc., IT**

S.No.	Courses	Total Hours during the Programme	No. of Credits	Total Credits	Marks
1.	Core Courses (14 courses)	84 @ 6 Hours	5	70	1400
2.	Core Based Elective Courses (3 courses)	18 @ 6 Hours	5	15	300
3.	Project**	18 Hours	15	15	300
	Courses with Extra Credit (2 courses) (III and IV Semester)	-	5*	-	200*
<b>Total</b>		<b>120 Hours</b>	<b>-</b>	<b>100</b>	<b>2000</b>

\* Not Considered for Grand Total and CGPA

\*\* Evaluation of the Project and Viva Voce shall be made jointly by the Internal Examiner and the External Examiner.

### Project (PG) - Maximum Marks: 100

I review 10 Marks

II review 10 Marks

Evaluation of project 60 Marks

Viva voce 20 Marks

For PG Projects with multiple maximum marks proportionately increased break-up of marks can be awarded.

For MCA, MBA & MSW, separate Course Structures and Schemes of Examination will be followed

### Courses with Extra Credit for Advance Learners:

Courses with extra credit for advanced learner are introduced to improve the knowledge base of the students in their Core Area. These are self study courses and are optional. For UG, four Courses with extra credit and for PG, two courses with extra credit are included.

### Eligibility for Courses with Extra Credit:

#### Science Programme:

- i) Minimum 75% Marks in the first three semesters of Part III courses for UG
- ii) Minimum 75% Marks in the first two semesters for PG.

#### Arts Programme:

- i) Minimum 70% Marks in the first three semesters of Part III courses for UG
- ii) Minimum 70% Marks in the first two semesters for PG.

Note: Students are not permitted to write the course as arrear, if he / she fails in the courses with extra credit.

### Master of Philosophy Programme (M.Phil.) with effect from 2014-15

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14MP** 1C1	CORE I	Research Methodology	4*	4	40	60	100
	14MP** 1C2	CORE II	Broad Areas of Research	4*	4	40	60	100
	14MP** 1C3	CORE III	Guide Paper (Based on Research Topic)	4*	4	40	60	100
	14MP** 1C4	CORE IV	Teaching & Learning Methodology	4*	4	40	60	100
			*One hour library for each course					
	<b>TOTAL</b>			<b>16</b>	<b>16</b>	<b>160</b>	<b>240</b>	<b>400</b>
II	14MP** 2PW	Project Work	Dissertation**	-	8	-	-	200
	<b>GRAND TOTAL</b>			<b>-</b>	<b>24</b>	<b>-</b>	<b>-</b>	<b>600</b>

\*\* Evaluation of the Dissertation and Viva Voce shall be made jointly by the Research Supervisor and the External Examiner.

### Project (M.Phil)

Maximum Marks: 200

I Review	20 Marks
II Review	20 Marks
Evaluation of project	120 Marks
Viva voce	40 Marks

## PG Diploma Programme with effect from 2014-15

S.No	Courses	Total Hours during the Programme	No. of Credits	Total Credits	Marks
1.	Courses (10)	60 @ 6 Hours	4	40	1000

## Career Oriented Programme with effect from 2014-15

S.No	Courses	Total Hours during the Programme	No. of Credits	Total Credits	Marks
<b>Certificate Course</b>					
1.	Courses (3)	450 @ 150 Hours	10	30	300
<b>Diploma Programme</b>					
2.	Courses (3)	450 @ 150 Hours	10	30	300
<b>TOTAL</b>		<b>900 @ 300 Hours</b>	<b>20</b>	<b>60</b>	<b>600</b>
<b>Advance Diploma Programme</b>					
3.	Courses (3)	450 @ 150 Hours	10	30	300
<b>TOTAL</b>		<b>1350 @ 450 Hours</b>	<b>30</b>	<b>90</b>	<b>900</b>

## 6. Examinations

- i. There shall be examinations at the end of each semester, for odd semesters in the month of October / November; for even semesters in the month of April / May.
- ii. A candidate who does not pass the examination in any course(s) may be permitted to appear in such failed course (s) in the subsequent examinations to be held in October / November or April / May. However candidates who have arrears in practicals shall be permitted to take their arrear practical examination only along with regular practical examination in the respective semester.
- iii. A candidate should get registered for the first semester examination. Otherwise the candidate cannot pursue the course further. From the second semester onwards, if registration is not possible owing to shortage of attendance beyond condonation limit / regulation prescribed or belated joining or on medical grounds, the candidates are permitted to move to the next semester. Such candidates shall re-do the missed semester after completion of the course. The earlier CIA marks of the re-do candidates shall be considered. If they failed in their CIA, they are permitted to improve their marks as per the regular procedure.
- iv. PG students shall be required to take up a Project Work and should submit Project Report during the 4<sup>th</sup> semester. The Head of the Department shall assign the Guides who in turn will suggest the Project Work to the students. Two typed copies of the Project Report shall be submitted to the Department on or before the date fixed by College out of which one copy will be forwarded to the Controller of Examinations.

For the Project Report, the maximum marks will be 60 per cent, for two review 20 percent and for the Viva-Voce it is 20 per cent (If in some programmes, if the project is equivalent to more than one course, the project marks would be in proportion to the number of equivalent courses).

Each candidate shall be required to appear for Viva-Voce Examination (in defence of the Project only).

## Time Ceiling for Completion of Degree

The Academic Council permits UG and PG students to complete their course within six years. If a student fails to complete the course within the prescribed period the equivalent paper with reference to current syllabus

identified by the respective Chairman and Coordinator Curriculum Development Cell will be the new paper for CIA and SE. The earlier CIA marks of the candidates shall be considered. If they failed in their CIA, they are permitted to improve their marks as per the regular procedure.

## 7. Condonation

Students must have 75% of attendance in each course to appear for the Semester Examination. Students who have 70% to 74% of attendance shall apply for condonation in the prescribed form with the prescribed fee.

Students who have 60% to 69% of attendance shall apply for condonation in prescribed form with the prescribed fee along with the Medical Certificate.

Students who have below 60% of attendance are not eligible to appear for the Semester Examination. They shall re-do the semester(s) after completion of the programme. However they can write the arrear papers if any

## 8. Question Paper Pattern

<b>Maximum Marks: 60</b>		<b>Duration : 3 hours</b>
Part –A	10 Questions (No choice) Answer not exceeding 25 words 2 Questions from each unit	10 x 1 = 10 Marks
Part –B Paragraph	5 Questions (either or type) Answer not exceeding 300 words 1 Question from each unit	5 x 4 = 20 Marks
Part –C Essay Type	3 Questions out of 5 Answer not exceeding 1000 words 1 Question from each unit	3 x 10 = 30 Marks
<b>TOTAL</b>		<b>60 Marks</b>
<b>Project (PG)</b>		
Maximum Marks: 100		
I Review	10 Marks	
II Review	10 Marks	
Evaluation of project	60 Marks	
Viva voce	20 Marks	

## 9. Evaluation

The performance of a student in each course is evaluated in terms of percentage of marks with a provision for conversion to grade points. Evaluation for each course shall be done by a continuous internal assessment by the course teacher concerned as well as by an end semester examination and will be consolidated at the end of the course.

The Components for continuous internal assessment are:

<b>UG &amp; PG (Theory)</b>			
		<b>Components for 40 Marks</b>	<b>Components for 20 Marks</b>
Test – I	Two and half Units (50%)	12	06
Test – II	Five Units (100%)	12	06
	Assignment/ Seminar	12 For PG: 1 Assignment- 6 1 Seminar - 6	06 For PG: 1 Assignment- 3 1 Seminar - 3
	Attendance	Maximum: 04 Marks 90% -100% -4 Marks 80% - 89% - 3 Marks 70% - 79% - 2 Marks 60% - 69 %- 1 Marks	Maximum:02 Marks 80% - 100% - 2 Marks 60% - 79 %- 1 Marks

<b>UG &amp; PG (Practical)</b>			
		<b>Components for 40 Marks</b>	<b>Components for 20 Marks</b>
Test – I	Two and half Units (50%)	12	06
Test – II	Five Units (100%)	12	06
	Record	12	06
	Attendance	Maximum: 04 Marks 90% -100% -4 Marks 80% - 89% - 3 Marks 70% - 79% - 2 Marks 60% - 69 %- 1 Marks	Maximum:02 Marks 80% - 100% - 2 Marks 60% - 79 %- 1 Marks

The Component of Continuous Internal Assessment (40 Marks) for M.Phil., Programme :

Two Tests (2 x 12)	24 Marks
Assignment / Seminar	08 Marks
Seminar	08 Marks

The procedures for the conduct of the Semester Examination and valuation will be evolved by the office of the Controller of Examinations in consultation with the Examination Committee.

Classes will be awarded separately for Part I, Part II and Part III. Marks alone will be awarded for Part IV like Environmental Studies, Value Education, Skill Based Electives, Non Major Electives and Gender Studies of Part V. For external activities of Part V grades will be awarded. Marks obtained in Part III Allied Courses, Core Courses, Major Based Elective Courses and Project work will be taken into consideration for awarding the class in the overall performance of the student with grading system.

### 10. Passing Minimum

In UG, COP, ADCAA and Aalim courses the passing minimum for CIA & Semester Examination shall be 40%. In PG, M.Phil and PG Diploma courses, the passing minimum for CIA & Semester Examination shall be 40% and the passing minimum for Aggregate shall be 50%.

In respect of MBA Programme the passing minimum for CIA and semester examination shall be 50% and for aggregate shall also be 50%.



A candidate shall be declared to have passed in the Project Work if he/she gets not less than 40% in each of the Project Report and Viva-Voce but not less than 50% in the aggregate of both the marks for Project Report and Viva-voce.

A candidate who gets less than 40% in the Project Report must resubmit the Project Report. Such candidates need to take again the Viva-voce on the resubmitted Project.

### 11. Improvements in Internal Assessment Marks

1. Students who were absent for the CIA test / assignment should get special permission from the Tutor and Head of the Department and can write the test / Assignment before finalizing the CIA marks during the semester by paying a fee of Rs. 50/- per paper.
2. Students who have failed in the internal assessment are permitted to improve their internal assessment in the subsequent semesters by submitting two assignments and writing two tests by paying a fee of Rs. 300/- per paper. Mark secured for the attendance in the particular semester shall be considered for CIA.
3. In case of PG students, those who have secured a **pass mark** in the Semester Examination and in the CIA but **failed to secure aggregate minimum pass mark (50)** are permitted to improve their internal assessment mark in the following semesters and / or by writing Semester Examination. However, **Two chances alone** will be given for improving **internal assessment marks**. Mark secured for the attendance in the particular semester shall be considered for CIA. For improving the internal assessment the fees will be Rs.400/- per paper (for writing two tests & two assignments).

### 12. Improvement of Marks in Passed Papers

There is a provision for the students to appear for the **passed papers** with low marks such students can appear for the Semester Examinations (External) in the immediate subsequent Semester Examinations only, provided the student is without arrears till that semester. Usual fees per paper will be collected. While filling the Examination application form, student should specify the improvement details separately. **Only one chance** per paper will be given.

### 13. Revaluation

There is provision for re-valuation, re-totalling and transparency (Xerox) of answer scripts for UG, PG and M.Phil

- Candidates who have failed, but secured more than 50 % of the passing minimum marks shall be eligible for revaluation. Revaluation can be applied for either in two Failed Papers or in one passed paper in the current session only.
- Candidates who have secured less than 50% of the passing minimum marks in the examinations shall be eligible to apply for transparency. Transparency of the answer scripts supported by the specific recommendation of the HOD, shall be submitted for revaluation. Transparency can be applied for only in two failed papers in the current session.
- Out gone students are not eligible for Revaluation and Instant Examination.
- Malpractice and Redo case students are not eligible for Revaluation and Instant examination.

### 14. Instant Examination

Final year UG/PG students with arrear in only one paper (from first to final semester) will be permitted to write the Instant Examination on payment of Rs.900/- for the paper. The Instant Examination will be normally conducted within 15 days of declaration of results of the final semester. However, the re-do and malpractice cases, if any, are not eligible to appear for the Instant Examination.

## 15. Ranking: End Semester Examination

1. Five Rank Certificates will be issued for every programme
2. The Bharathidasan University conducts University Rank Examination (URE) for the toppers in every subject. First Rankers of all Autonomous colleges and the top 20 rank holders of the non-autonomous colleges (having passed their examinations in the first appearance within the prescribed duration of the programme; absence from an Examination shall not be taken as an attempt) are eligible to appear for URE.
3. The questions papers of the examinations comprise of objective type questions covering the Core Courses in each of the Programmes generally followed by both autonomous / non-autonomous streams.
4. The top scorers in this University Rank Examination would be declared as University Rank Holders, irrespective of their grades in their respective Semester Examinations.

## 16. Grading

Once the marks of the CIA and semester examinations for each course are available, they will be added. The marks thus obtained will then be graded.

From the second semester onwards the total performance within a semester and continuous performance starting from the first semester are indicated by Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA).

### GRADING OF THE UG COURSES

MARKS	GRADE POINT	LETTER GRADE
95 and above	10	O+
90-94	9.4	O
85-89	8.9	D++
80-84	8.4	D+
75-79	7.9	D
70-74	7.4	A++
65-69	6.9	A+
60-64	6.4	A
55-59	5.9	B+
50-54	5.4	B
45-49	4.9	C+
40-44	4.4	C
Below 40	0	RA

### OVERALL FINAL RESULT UG

CGPA	GRADE	CLASSIFICATION OF FINAL
9.5 and above	O+	First Class – Outstanding
9.0-9.4	O	
8.5-8.9	D++	First Class – Distinction
8.0-8.4	D+	
7.5-7.9	D	First Class
7.0-7.4	A++	
6.5-6.9	A+	
6.0-6.4	A	
5.5-5.9	B+	Second Class
5.0-5.4	B	
4.5-4.9	C+	Third Class
4.0-4.4	C	
Below 4.0	RA	Reappear

### GRADING OF THE PG COURSES

MARKS	GRADE POINT	LETTER GRADE
95 and above	10	O <sup>+</sup>
90-94	9.4	O
85-89	8.9	D <sup>++</sup>
80-84	8.4	D <sup>+</sup>
75-79	7.9	D
70-74	7.4	A <sup>++</sup>
65-69	6.9	A <sup>+</sup>
60-64	6.4	A
55-59	5.9	B
50-54	5.4	C
Below 50	0	RA

### OVERALL FINAL RESULT PG

CGPA	GRADES	CLASSIFICATION OF FINAL RESULT
9.5 and above	O <sup>+</sup>	First Class – Outstanding
9.0-9.4	O	
8.5-8.9	D <sup>++</sup>	First Class – Distinction
8.0-8.4	D <sup>+</sup>	
7.5-7.9	D	
7.0-7.4	A <sup>++</sup>	First Class
6.5-6.9	A <sup>+</sup>	
6.0-6.4	A	
5.5-5.9	B	Second Class
5.0-5.4	C	
Below 5.0	RA	Reappear

#### Subject Code Fixation

The following system is adopted for coding the various papers in the different courses.

**Illustration:** The Code for UG Course shall be 14U\*\*1XX

- 14** refers to the year of revision
- U** refers to Under Graduate
- \*\*** refers to Codes for Department
- 1** refers to Semester 1
- LT** refers to Tamil (Part I)
- E** refers to English (Part II)
- A** refers to Allied Course (Part III)
- C** refers to Core Course (Part III)
- M** refers to Major Based Elective Course (Part III)
- N** refers to Non Major Based Elective Course (Part IV)
- S** refers to Skill Based Elective Course (Part IV)
- VE** refers to Value Education Course (Part IV)
- ES** refers to Environmental Studies Course (Part IV)

- EA refers to Extension Activities (Part V)  
 GS refers to Gender Studies (Part V)  
 CN refers to Common Paper  
 14 U\*\* 1A1 P refers to Practical Papers  
 EC refers to Extra Credit Course  
 P refers to Post Graduate  
 CE refers to Core Based Elective Course  
 PW refers to Project Work  
 JC JAMCROP

**Codes for Departments Offering Languages, Allied, Core and Elective Courses in  
 UG Courses and Core and Elective in PG Courses**

S.No.	COURSE	COURSE CODE
1.	Arabic (Allied, Core, Elective)	AR
2.	Bio-Informatics (Core, Elective)	BI
3.	Biotechnology (Allied, Core, Elective)	BT
4.	Botany (Allied, Core, Elective)	BO
5.	Business Administration (Allied, Core, Elective)	BA
6.	Chemistry (Allied, Core, Elective)	CH
7.	Commerce (Allied, Core, Elective)	CO
8.	Computer Applications (Allied, Core, Elective)	CA
9.	Computer Science (Allied, Core, Elective)	CS
10.	Economics (Allied, Core, Elective)	EC
11.	English (Allied, Core, Elective)	EN
12.	Fashion Technology & Costume Designing (Allied, Core, Elective)	FT
13.	French Elective	FR
14.	Hindi Elective	HI
15.	History (Allied, Core, Elective)	HS
16.	Hotel Management & Catering Science (Allied, Core, Elective)	HM
17.	Information Technology (Allied, Core, Elective)	IT
18.	Language English	LE
19.	Language Arabic	LA
20.	Language Hindi	LH
21.	Language French	LF
22.	Language Urdu	LU
23.	Language Basic Tamil / Language Advanced Tamil	LBT / LAT
24.	Language Tamil	LT
25.	Management Studies	MBA
26.	Master of Computer Applications	MCA
27.	Mathematics (Allied, Core, Elective)	MA
28.	Microbiology (Allied, Core, Elective)	MB
29.	Nutrition and Dietetics (Allied, Core, Elective)	ND
30.	Physics (Allied, Core, Elective)	PH
31.	Social Work (Core, Elective)	SW
32.	Tamil (Allied, Core, Elective)	TA
33.	Urdu Elective	UR
34.	Zoology (Allied, Core, Elective)	ZO
35.	Physical Education Elective	PE

## **Grievance Redressal Cell**

To deal with matters relating to the redressal of genuine and valid grievances of the students concerning academic and examination related matters and suggest corrective measures.

To make a systematic enquiry into any written complaint lodged by any student regarding his / her continuous Internal Assessment or Final examination marks and suggest appropriate corrective actions.

- The students are informed that there will be a Grievance Letter Box in the General Library for Men and in the Women Library for Women.
- The letter of grievance should contain the name, roll number, class of the student and should be duly signed with date. The letter of grievance may be handed over to the Convenor, in person or dropped in the grievance letter box.
- The Convenor shall collect and number the letters serially, go through the letter and arrange for the redressal of grievance of the students and report the same in the monthly meeting of Grievance Appeal Committee to be convened on the first Monday of every month. The Genuine Grievances will be properly redressed.

## **Disciplinary Action on Malpractice in the Examinations**

1. The Students should not indulge in any form of malpractice during CIA tests and Semester Examinations.
2. The Students will be disqualified from the examination, if he writes examination with Mobile Phone and keeping the same with or without knowledge of the Invigilator.
3. The following punishments will be given to the students, when they indulge in malpractice in CIA tests and Semester Examinations.
  - a) Possession of notes, books, bits of any incriminating material but not attempted to copy:-  
The particular examination paper will be cancelled.
  - b) Attempting to copy from the material in possession and accepting the malpractice:-  
The particular paper and the subsequent papers will be cancelled.
  - c) If a candidate repeats the malpractice in the next following semesters also, all the written examinations of the particular semester will be cancelled.
4. For any other type of malpractice, the punishments will be decided by Examinations Disciplinary Committee.

## COURSE STRUCTURE FOR UG PROGRAMMES

(Under CBCS w.e.f. 2014-2015)

### PART-I LANGUAGE- TAMIL

SEM	COURSE CODE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14U1LT1	செய்யுள், சிறுகதை, பயன்பாட்டுத்தமிழ்	6	3	40	60	100
II	14U2LT2	செம்மொழி வரலாறு, இலக்கிய வரலாறு	6	3	40	60	100
III	14U3LT3	செய்யுள் (காப்பியங்கள் சிற்றிலக்கியங்கள்), புதினம், மொழி பெயர்ப்பு, கடிதம் கட்டுரை வரைதல்	6	3	40	60	100
IV	14U4LT4	செய்யுள், நாடகம், உரைநடை, இணையத்தமிழ், படைப்புத்திறன்	6	3	40	60	100

### PART – I LANGUAGE - ARABIC

SEM	COURSE CODE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14U1LA1	Basic Arabic	6	3	40	60	100
II	14U2LA2	Grammar & Translation	6	3	40	60	100
III	14U3LA3	Prose, Poetry & Conversational Skill	6	3	40	60	100
IV	14U4LA4	Literary History & Language Skills	6	3	40	60	100

### PART – I LANGUAGE - FRENCH

SEM	COURSE CODE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14U1LF1	French For Beginners – I	6	3	40	60	100
II	14U2LF2	French Through Culture – II	6	3	40	60	100
III	14U3LF3	French through civilization – III	6	3	40	60	100
IV	14U4LF4	French Prose Grammar And Composition – IV	6	3	40	60	100

### PART – I LANGUAGE - HINDI

SEM	COURSE CODE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14U1LH1	Prose, Short Story & Grammar-I	6	3	40	60	100
II	14U2LH2	Comprehension, Drama, Novel and Grammar-II	6	3	40	60	100
III	14U3LH3	Medieval - Modern Poetry and Translation	6	3	40	60	100
IV	14U4LH4	Functional Hindi and General Essay	6	3	40	60	100

### PART – I LANGUAGE - URDU

SEM	COURSE CODE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14U1LU1	Nazm Aur Sanaye	6	3	40	60	100
II	14U2LU2	Nasr Aur Quawaid(Prose And Grammar)	6	3	40	60	100
III	14U3LU3	Afsana Aur Tarjuma(Fiction And Translation)	6	3	40	60	100
IV	14U4LU4	Functional Urdu	6	3	40	60	100

**PART – II LANGUAGE - ENGLISH**

SEM	COURSE CODE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14UCN1E1	English for Communication - I	6	3	40	60	100
II	14UCN2E2	English for Communication – II	6	3	40	60	100
III	14UCN3E3	Poetry and One-act Plays	6	3	40	60	100
IV	14UCN4E4	English for Competitive Examinations	6	3	40	60	100

**PART-IV NON MAJOR ELECTIVE (II Semester)**

DEPARTMENT	COURSE CODE	COURSE TITLE
ARABIC	14UAR2N1	Asasul Arabiyya I
BIOTECHNOLOGY	14UBT2N1	Advance Biotechnology
BOTANY	14UBO2N1	Mushroom Cultivation
BUSINESS ADMINISTRATION	14UBA2N1	Management Principles
CHEMISTRY	14UCH2N1	Food and Nutrition Chemistry
COMMERCE	14UCO2N1	Salesmanship
COMPUTER APPLICATION	14UCA2N1	Fundamentals of IT
COMPUTER SCIENCE	14UCS2N1	Internet and its Applications
ECONOMICS	14UEC2N1	Economics Development of India-I
ENGLISH	14UEN2N1	English of Journalism
FASHION TECHNOLOGY & COSTUME DESIGNING	14UFT2N1	Hand Embroidery – Practical
FRENCH	14UFR2N1	Un printemps a Paris
HINDI	14UHI2N1	Hindi for Beginners
HISTORY	14UHS2N1	General Knowledge for Competitive Examinations
HOTEL MANAGEMENT & CATERING SCIENCE	14UHM2N1	Basic Food Production
INFORMATION TECHNOLOGY	14UIT2N1	Fundamentals of Computers
MATHEMATICS	14UMA2N1	Mathematics for Competitive Examinations - I
NUTRITION & DIETETICS	14UND2N1	Food and Health
PHYSICAL EDUCATION	14UPE2N1	Fitness and Wellness
PHYSICS	14UPH2N1	Physics of Home Appliances
TAMIL	14ULBT2N1	எழுத்தும் இலக்கியமும் அறிமுகம் - I
	14ULAT2N1	தமிழ் இலக்கியங்களும் வரலாறும் - I
URDU	14UUR2N1	Urdu for Beginners
ZOOLOGY	14UZO2N1	Vermiculture Technology

**PART-IV NON MAJOR ELECTIVE (III Semester)**

DEPARTMENT	COURSE CODE	COURSE TITLE
ARABIC	14UAR3N2	Asasul Arabiyya II
BIOTECHNOLOGY	14UBT3N2	Agriculture Biotechnology
BOTANY	14UBO3N2	Medicinal Botany
BUSINESS ADMINISTRATION	14UBA3N2	Banking Practices
CHEMISTRY	14UCH3N2	Chemistry in Everyday Life
COMMERCE	14UCO3N2	Stock Market Practices
COMPUTER APPLICATION	14UCA3N2	Internet and its Applications
COMPUTER SCIENCE	14UCS3N2	Introduction to Web Design
ECONOMICS	14UEC3N2	Economic Development of India II
ENGLISH	14UEN3N2	Developing Leadership Qualities
FASHION TECHNOLOGY & COSTUME DESIGNING	14UFT3N2	Painting Techniques – Practical
FRENCH	14UFR3N2	Aventure en Bourgogne
HINDI	14UHI3N2	Functional Hindi
HISTORY	14UHS3N2	An Introduction to Sociology
HOTEL MANAGEMENT & CATERING SCIENCE	14UHM3N2	Basic Baking
INFORMATION TECHNOLOGY	14UIT3N2	Introduction to Multimedia
MATHEMATICS	14UMA3N2	Mathematics for Competitive Examinations-II
NUTRITION & DIETETICS	14UND3N2	Nutrition for the Family
PHYSICAL EDUCATION	14UPE3N2	Science of Yoga
PHYSICS	14UPH3N2	Medical Physics
TAMIL	14ULBT3N2	எழுத்தும் இலக்கியமும் அறிமுகம்-II
	14ULAT3N2	தமிழ் இலக்கியங்களும் வரலாறும் - II
URDU	14UUR3N2	Functional Urdu
ZOOLOGY	14UZO3N2	Health Education



## B.A. ARABIC

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14 U1 LT1 /LA1/ LF1/ LH1/ LU1	I	Language -I		6	3	40	60	100
	14 UCN1E1	II	English - I		6	3	40	60	100
	14UAR1A1	III	Allied I	Seerathul Anbiya I	6	4	40	60	100
	14UAR1C1	III	Core I	Grammar I	6	4	40	60	100
	14UAR1M1	III	Major Based Elective-I	Sarful Af 'aal	3	3	40	60	100
	14UCN1VE	IV	Value Education	Value Education	3	3	40	60	100
<b>Total</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
II	14 U2 LT2 /LA2/ LF2/ LH2 / LU2	I	Language –II		6	3	40	60	100
	14UCN2E2	II	English -II		6	3	40	60	100
	14UAR 2A2	III	Allied II	Seerathul Anbiya II	5	4	40	60	100
	14UAR2C2	III	Core II	Grammar II	6	4	40	60	100
	14UAR 2M2	III	Major Based Elective-II	Prose I	3	3	40	60	100
	14UAR2N1	IV	Non Major Elective –I#		2	2	40	60	100
	14UCN 2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100
<b>Total</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14U3 LT3 / LA3/ LF3/ LH3 / LU3	I	Language – III		6	3	40	60	100
	14 UCN3E3	II	English - III		6	3	40	60	100
	14 UAR 3A3	III	Allied III	Seerathul Anbiya III	6	4	40	60	100
	14 UAR 3C3	III	Core III	Grammar III	5	4	40	60	100
	14UAR 3M3	III	Major Based Elective-III	Prose II	3	3	40	60	100
	14 UAR 3N2	IV	Non Major Elective – II#		2	2	40	60	100
	14 UCN 3S1	IV	Skill Based Elective-I	Soft Skills	2	2	40	60	100
	<b>Total</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>
IV	14U4 LT4 / LA4/ LF4/ LH4 / LU4	I	Language - IV		6	3	40	60	100
	14UCN4E4	II	English - IV		6	3	40	60	100
	14 UAR 4A4	III	Allied IV	History of Arabs I	6	4	40	60	100
	14 UAR 4C4	III	Core IV	Grammar IV	5	4	40	60	100
	14 UAR 4C5	III	Core V	Classical Prose I	5	4	40	60	100
	14 UAR 4S2	IV	Skill Based Elective - II	Letter Writing in Arabic	2	2	40	60	100
	14 UCN4EA	V	Extension Activities	NCC/NSS Etc	-	2	-	-	-
	14UAR4EC1		Extra Credit-I	Applied Grammar I	-	4*	-	100*	100*
	14UAR4EC2		Extra Credit-II	Prose and Grammar	-	4*	-	100*	100*
<b>Total</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
V	14 UAR5C6	III	Core VI	Grammar V	5	4	40	60	100
	14 UAR 5C7	III	Core VII	Classical Poetry	4	4	40	60	100
	14 UAR 5C8	III	Core VIII	History of Arabs II	4	4	40	60	100
	14 UAR 5C9	III	Core IX	Classical Prose II	4	4	40	60	100
	14 UAR5C10	III	Core X	Literary History of Arabs I	4	4	40	60	100
	14 UAR5C11	III	Core XI	Rhetoric I	4	4	40	60	100
	14 UAR 5M4	III	Major Based Elective-IV	Translation Skills & Essays in Arabic	3	3	40	60	100
	14 UAR 5S3	IV	Skill Based Elective - III	Typewriting in Arabic	2	2	40	60	100
	14UAR5EC3		Extra Credit-III	Applied Grammar II	-	4*	-	100*	100*
<b>Total</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
VI	14UAR6C12	III	Core XII	Modern Poetry	5	4	40	60	100
	14UAR6C13	III	Core XIII	Grammar VI	5	4	40	60	100
	14UAR6C14	III	Core XIV	Rhetoric II	5	4	40	60	100
	14UAR6C15	III	Core XV	Literary History of Arabs II	4	4	40	60	100
	14UAR6C16	III	Core XVI	Prose III	4	4	40	60	100
	14UAR6C17	III	Core XVII	Applied Grammar	4	4	40	60	100
	14UAR6S4	IV	Skill Based Elective- IV	Computer Literacy with Arabic	2	2	40	60	100
	14UCN6GS	V	Gender Studies	Gender Studies	1	1	40	60	100
	14UAR6EC4		Extra Credit-IV	Translation Skills in Arabic	-	4*	-	100*	100*
<b>Total</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

**ADDITIONAL COURSES FOR GETTING AALIM SANAD**

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14UAS 1C1	III	Core I A	Tajweedul Quran & Urdu I	6	4	40	60	100
	14UAS 1C2	III	Core I B	Arabic Reader I	6	4	40	60	100
<b>Total</b>					12	8	80	120	200
II	14UAS 2C3	III	Core II A	Urdu II	6	4	40	60	100
	14UAS 2C4	III	Core II B	Arabic Reader II	6	4	40	60	100
<b>Total</b>					12	8	80	120	200
III	14UAS 3C5	III	Core III A	Hadeeth I	6	4	40	60	100
	14UAS 3C6	III	Core III B	Fiqh I	6	4	40	60	100
<b>Total</b>					12	8	80	120	200
IV	14UAS 4C7	III	Core IV A	Hadeeth II	6	4	40	60	100
	14UAS 4C8	III	Core IV B	Fiqh II	6	4	40	60	100
<b>Total</b>					12	8	80	120	200
V	14UAS 5C9	III	Core V A	Thafseer I	6	4	40	60	100
	14UAS 5C10	III	Core V B	Fiqh III	6	4	40	60	100
<b>Total</b>					12	8	80	120	200
VI	14UAS 6C11	III	Core VI A	Thareekhul Islam	6	4	40	60	100
	14UAS 6C12	III	Core VI B	Hadeeth III	6	4	40	60	100
<b>TOTAL</b>					<b>12</b>	<b>8</b>	<b>80</b>	<b>120</b>	<b>200</b>
<b>GRAND TOTAL</b>					<b>72</b>	<b>48</b>	<b>480</b>	<b>720</b>	<b>1200</b>

## B.A. ENGLISH

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14U1LT1/LA1/ /LF1/LH1/LU1	I	Language - I		6	3	40	60	100
	14 UCN1E1	II	English - I	English for communication - I	6	3	40	60	100
	14 UEN1A1	III	Allied I	Social History of England - I	6	4	40	60	100
	14 UEN1C1	III	Core I	Fiction-I	6	4	40	60	100
	14 UEN1M1	III	Major Based Elective-I	Remedial English	3	3	40	60	100
	14 UCN1VE	IV	Value Education	Value Education	3	3	40	60	100
<b>Total</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
II	14 U2LT2/ LA2 LF2/LH2/LU2	I	Language - II		6	3	40	60	100
	14 UCN2E2	II	English – II	English for Communication - II	6	3	40	60	100
	14 UEN2A2	III	Allied II	Social History of England - II	5	4	40	60	100
	14 UEN2C2	III	Core II	Fiction - II	6	4	40	60	100
	14 UEN2M2	III	Major Based Elective-II	Language and Linguistics	3	3	40	60	100
	14 UEN2N1	IV	Non-Major Elective-I#		2	2	40	60	100
	14 UCN2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100
<b>Total</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14 U3LT3/ LA3 /LF3/LH3/LU3	I	Language – III		6	3	40	60	100
	14 UCN3E3	II	English – III	Poetry and One-act Plays	6	3	40	60	100
	14 UEN3A3	III	Allied III	History of English Literature - I	6	4	40	60	100
	14 UEN3C3	III	Core III	Prose – I	5	4	40	60	100
	14 UEN3M3	III	Major Based Elective-III	Literary Forms	3	3	40	60	100
	14 UEN3N2	IV	Non-Major Elective-II#		2	2	40	60	100
	14 UCN3S1	IV	Skill Based Elective-I	Soft Skills	2	2	40	60	100
<b>Total</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
IV	14 U4LT4/ LA4/ LF4/LH4/LU4	I	Language – IV		6	3	40	60	100
	14 UCN4E4	II	English – IV	English for Competitive Examinations	6	3	40	60	100
	14 UEN4A4	III	Allied IV	History of English Literature - II	6	4	40	60	100
	14 UEN4C4	III	Core IV	Prose – II	5	4	40	60	100
	14 UEN4C5	III	Core V	Poetry - I	5	4	40	60	100
	14 UEN4S2	IV	Skill Based Elective-II	Grammar and Usage	2	2	40	60	100
	14 UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	2	-	-	-
	14 UEN4EC1		Extra Credit-I	Short Stories	-	4*	-	100*	100*
14 UEN4EC2		Extra Credit-II	One-Act Plays	-	4*	-	100*	100*	
<b>Total</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
V	14 UEN5C6	III	Core VI	Poetry - II	5	4	40	60	100
	14 UEN5C7	III	Core VII	History of English Language and Phonetics	4	4	40	60	100
	14 UEN5C8	III	Core VIII	Literary Criticism - I	4	4	40	60	100
	14 UEN5C9	III	Core IX	Indian Writing in English	4	4	40	60	100
	14 UEN5C10	III	Core X	Drama - I	4	4	40	60	100
	14 UEN5C11	III	Core XI	Shakespeare	4	4	40	60	100
	14 UEN5M4	III	Major Based Elective-IV	English Language Teaching	3	3	40	60	100
	14 UEN5S3	IV	Skill Based Elective-III	Personality Development	2	2	40	60	100
14 UEN5EC3		Extra Credit-III	Creative Writing Skills	-	4*	-	100*	100*	
<b>Total</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
VI	14 UEN6C12	III	Core XII	Literary Criticism - II	5	4	40	60	100
	14 UEN6C13	III	Core XIII	Drama - II	5	4	40	60	100
	14 UEN6C14	III	Core XIV	Classics in Translation	5	4	40	60	100
	14 UEN6C15	III	Core XV	New Literatures	4	4	40	60	100
	14 UEN6C16	III	Core XVI	Individual Author-Rabindranath Tagore	4	4	40	60	100
	14 UEN6C17	III	Core XVII	American Literature	4	4	40	60	100
	14 UEN6S4	IV	Skill Based Elective-IV	Functional English	2	2	40	60	100
	14 UCN6GS	V	Gender Studies	Gender Studies	1	1	40	60	100
14 UEN6EC4		Extra Credit-IV	Public Speaking Skills	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

## B.Litt. TAMIL

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14U1LT1//LA1/LF1/LH1/LU1	I	Language – I		6	3	40	60	100
	14UCN1E1	II	English – I		6	3	40	60	100
	14UTA1A1	III	Allied I	தமிழக வரலாறும் பண்பாடும்	8	4	40	60	100
	14UTA1C1	III	Core I	இக்கால இலக்கியம்	4	4	40	60	100
	14UTA1M1	III	Major Based Elective -I	இஸ்லாமியத் தமிழ் இலக்கியங்கள்	3	3	40	60	100
	14UCN1VE	IV	Value Education	Value Education	3	3	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
II	14U2LT2//LA2/LF2/LH2/LU2	I	Language – II		6	3	40	60	100
	14UEN2E2	II	English – II		6	3	40	60	100
	14UTA2A2	III	Allied II	நாட்டுப்புறவியல் - ஓர் அறிமுகம்	7	4	40	60	100
	14UTA2C2	III	Core II	நன்னூல் - எழுத்த்திகாரம்	4	4	40	60	100
	14UTA2M2	III	Major Based Elective -II	உமறுப்புலவர்	3	3	40	60	100
	14UTA2N1	IV	Non-Major Elective-I #		2	2	40	60	100
	14UCN2ES	IV	Environmental Studies	கற்றுச்சூழலியல்	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14U3LT3//LA3/LF3/LH3/LU3	I	Language – III		6	3	40	60	100
	14UCN3E3	II	English - III		6	3	40	60	100
	14UTA3A3	III	Allied III	இதழியல்	7	4	40	60	100
	14UTA3C3	III	Core III	நன்னூல் - சொல்லதிகாரம்	4	4	40	60	100
	14UTA3M3	III	Major Based Elective -III	பேச்சுக்கலை	3	3	40	60	100
	14UTA3N2	IV	Non-Major Elective- II #		2	2	40	60	100
	14UCN3S1	IV	Skill Based Elective-I	Soft Skills	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
IV	14U4LT4//LA4/LF4/LH4/LU4	I	Language – IV		6	3	40	60	100
	14UCN4E4	II	English - IV		6	3	40	60	100
	14UTA4A4	III	Allied IV	மொழி வரலாறு	8	4	40	60	100
	14UTA4C4	III	Core IV	தொல் - எழுத்த்திகாரம்	4	4	40	60	100
	14UTA4C5	III	Core V	காப்பியங்கள்	4	4	40	60	100
	14UTA4S2	IV	Skill Based Elective-II	நேர்முகத் தேர்வுக்கலை	2	2	40	60	100
	14UCN4EA	V	Extension Activities	NCC/NSS, etc.	-	2	-	-	-
	14UTA4EC1		Extra Credit-I	விளம்பரக்கலை	-	4*	-	100*	100*
	14UTA4EC2		Extra Credit-II	தேசியமும் தமிழும்	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
V	14UTA5C6	III	Core VI	சிறுநிலக்கியங்கள்	5	4	40	60	100
	14UTA5C7	III	Core VII	யாப்பும் அணியும்	4	4	40	60	100
	14UTA5C8	III	Core VIII	இலக்கியத் திறனாய்வு	4	4	40	60	100
	14UTA5C9	III	Core IX	தொல்காப்பியம்-சொல்லதிகாரம்	4	4	40	60	100
	14UTA5C10	III	Core X	அகப்பொருளும் புறப்பொருளும்	4	4	40	60	100
	14UTA5C11	III	Core XI	சங்க இலக்கியங்கள்	4	4	40	60	100
	14UTA5M4	III	Major Based Elective-IV	பயன்முறைத் தமிழ்	3	3	40	60	100
	14UTA5S3	IV	Skill Based Elective-III	ஆளுமை வளர்ச்சி	2	2	40	60	100
14UTA5EC3		Extra Credit-III	தமிழ்க் கற்பிக்கும் முறை	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
VI	14UTA6C12	III	Core XII	தொல்காப்பியம்-பொருளதிகாரம்	5	4	40	60	100
	14UTA6C13	III	Core XIII	தொல்காப்பியம்-பொருளதிகாரம்-II	5	4	40	60	100
	14UTA6C14	III	Core XIV	அறஇலக்கியங்கள்	5	4	40	60	100
	14UTA6C15	III	Core XV	புனைகதையும் நாடகமும்	4	4	40	60	100
	14UTA6C16	III	Core XVI	கவிதையும் உரைநடையும்	4	4	40	60	100
	14UTA6C17	III	Core XVII	தொல்லியல் அறிமுகம்	4	4	40	60	100
	14UTA6S4	IV	Skill Based Elective-IV	இலக்கியத்தில் மனித உரிமைகள்	2	2	40	60	100
	14UCN6GS	V	Gender Studies	பாலின சமத்துவம்	1	1	40	60	100
14UTA6EC4		Extra Credit-IV	பெண்ணியம்	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

## B.B.A.

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14U1 LT1/ LA1 / LF1/LH1/ LU1	I	Language-I		6	3	40	60	100
	14 UCN 1E1	II	English - I		6	3	40	60	100
	14 UBA 1A1	III	Allied I	Managerial Economics	6	4	40	60	100
	14 UBA 1C1	III	Core I	Financial Accounting	6	4	40	60	100
	14 UBA 1M1	III	Major Based Elective-I	Organisational Behaviour	3	3	40	60	100
	14 UCN 1VE	IV	Value Education	Value Education	3	3	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
II	14U2 LT2// LA2/ LF2/LH2/ LU2	I	Language – II		6	3	40	60	100
	14 UCN 2E2	II	English – II		6	3	40	60	100
	14 UBA 2A2	III	Allied II	Business Mathematics and Statistics	5	4	40	60	100
	14 UBA 2C2	III	Core II	Management Concepts	6	4	40	60	100
	14 UBA 2M2	III	Major Based Elective - II	Business Laws	3	3	40	60	100
	14 UBA 2N1	IV	Non-Major Elective - I #		2	2	40	60	100
	14 UCN 2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14U3 LT3/ LA3/ LF3/LH3/ LU3	I	Language - III		6	3	40	60	100
	14 UCN 3E3	II	English - III		6	3	40	60	100
	14 UBA 3A3	III	Allied III	Operations Research	6	4	40	60	100
	14 UBA 3C3	III	Core III	Advanced Accountancy	5	4	40	60	100
	14 UBA 3M3	III	Major Based Elective – III	International Business	3	3	40	60	100
	14 UBA 3N2	IV	Non-Major Elective – II#		2	2	40	60	100
	14 UCN 3S1	IV	Skill Based Elective – I	Soft Skills	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
IV	14U4 LT4// LA4/ LF4 /LH4/ LU4	I	Language - IV		6	3	40	60	100
	14 UCN 4E4	II	English - IV		6	3	40	60	100
	14 UBA 4A4	III	Allied IV	Marketing Management	6	4	40	60	100
	14 UBA 4C4	III	Core IV	Company Accounts	5	4	40	60	100
	14 UBA 4C5	III	Core V	Cost Accounting	5	4	40	60	100
	14 UBA 4S2	IV	Skill Based Elective – II	Basics of Computer & DTP - Theory	2	2	40	60	100
	14 UCN 4EA	V	Extension Activities	NCC, NSS, etc.	-	2	-	-	-
	14 UBA 4EC1		Extra Credit – I	Consumer Behaviour	-	4*	-	100*	100*
14 UBA 4EC2		Extra Credit – II	Supply Chain Management	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
V	14 UBA 5C6	III	Core VI	Financial Management	5	4	40	60	100
	14 UBA 5C7	III	Core VII	Business Environment	4	4	40	60	100
	14 UBA 5C8	III	Core VIII	Managerial Communication	4	4	40	60	100
	14 UBA 5C9	III	Core IX	Production & Operations Management	4	4	40	60	100
	14 UBA 5C10	III	Core X	Company Law	4	4	40	60	100
	14 UBA 5C11	III	Core XI	Services Marketing	4	4	40	60	100
	14 UBA 5M4	III	Major Based Elective – IV	Entrepreneurial Development	3	3	40	60	100
	14 UBA 5S3P	IV	Skill Based Elective – III	Computer DTP - Practical	2	2	40	60	100
14 UBA 5EC3		Extra Credit – III	Knowledge Management	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
VI	14 UBA 6C12	III	Core XII	Strategic Management	5	4	40	60	100
	14 UBA 6C13	III	Core XIII	Management Accounting	5	4	40	60	100
	14 UBA 6C14	III	Core XIV	Human Resource Management	5	4	40	60	100
	14 UBA 6C15	III	Core XV	Management Information System	4	4	40	60	100
	14 UBA 6C16	III	Core XVI	Financial Services	4	4	40	60	100
	14 UBA 6C17	III	Core XVII	Secretarial Practice	4	4	40	60	100
	14 UBA 6S4P	IV	Skill Based Elective – IV	Tally Package - Practical	2	2	40	60	100
	14 UCN 6GS	V	Gender Studies	Gender Studies	1	1	40	60	100
14 UBA 6EC4		Extra Credit – IV	Intellectual Property Rights	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

## B.Com.

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14 U1 LT1//LA1/ LF1/LH1/ LU1	I	Language-I		6	3	40	60	100
	14 UCN 1E1	II	English-I		6	3	40	60	100
	14 UCO 1A1	III	Allied I	Business Economics	6	4	40	60	100
	14 UCO 1C1	III	Core I	Accountancy – I	6	4	40	60	100
	14 UCO 1M1	III	Major Based Elective-I	Principles of Business Organisation	3	3	40	60	100
	14 UCN 1VE	IV	Value Education	Value Education	3	3	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
II	14 U2 LT2/LA2/ LF2/LH2/ LU2	I	Language-II		6	3	40	60	100
	14 UCN 2E2	II	English-II		6	3	40	60	100
	14 UCO 2A2	III	Allied II	Business Mathematics & Statistics	5	4	40	60	100
	14 UCO 2C2	III	Core II	Accountancy – II	6	4	40	60	100
	14 UCO 2M2	III	Major Based Elective-II	Business Environment	3	3	40	60	100
	14 UCO 2N1	IV	Non-Major Elective-I #		2	2	40	60	100
	14 UCN 2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14 U3 LT3//LA3/ LF3/LH3/ LU3	I	Language – III		6	3	40	60	100
	14 UCN 3E3	II	English – III		6	3	40	60	100
	14 UCO 3A3	III	Allied III	Business Management	5	4	40	60	100
	14 UCO 3C3	III	Core III	Advanced Accountancy – I	6	4	40	60	100
	14 UCO 3M3	III	Major Based Elective-III	E-Commerce	3	3	40	60	100
	14 UCO 3N2	IV	Non-Major Elective – II#		2	2	40	60	100
	14 UCN 3S1	IV	Skill Based Elective – I	Soft Skills	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
IV	14 U4 LT4/LA4/ LF4/LH4/ /LU4	I	Language-IV		6	3	40	60	100
	14 UCN 4E4	II	English-IV		6	3	40	60	100
	14 UCO 4A4	III	Allied IV	Business Communication	5	4	40	60	100
	14 UCO 4C4	III	Core IV	Advanced Accountancy – II	6	4	40	60	100
	14 UCO 4C5	III	Core V	Cost Accounting	5	4	40	60	100
	14 UCO 4S2	IV	Skill Based Elective-II	Stock Market Practices	2	2	40	60	100
	14 UCN 4EA	V	Extension Activities	NCC, NSS, etc.	-	2	-	-	-
	14 UCO 4EC1		Extra Credit-I	Organisational Behaviour	-	4*	-	100*	100*
	14 UCO 4EC2		Extra Credit-II	Training and Development	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
V	14 UCO 5C6	III	Core VI	Corporate Accounting	5	4	40	60	100
	14 UCO 5C7	III	Core VII	Business Law	4	4	40	60	100
	14 UCO 5C8	III	Core VIII	Auditing	4	4	40	60	100
	14 UCO 5C9	III	Core IX	Personnel Management	4	4	40	60	100
	14 UCO 5C10	III	Core X	Marketing	4	4	40	60	100
	14 UCO 5C11	III	Core XI	Financial Management	4	4	40	60	100
	14 UCO 5M4P	III	Major Based Elective-IV	Office Automation - Practical	3	3	40	60	100
	14 UCO 5S3	IV	Skill Based Elective-III	Insurance	2	2	40	60	100
	14 UCO 5EC3		Extra Credit – III	Principles and Practice of Co-operation	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
VI	14 UCO 6C12	III	Core XII	Income Tax Law and Practice	5	4	40	60	100
	14 UCO 6C13	III	Core XIII	Management Accounting	5	4	40	60	100
	14 UCO 6C14	III	Core XIV	Company Law	5	4	40	60	100
	14 UCO 6C15	III	Core XV	Banking Law and Practice	4	4	40	60	100
	14 UCO 6C16	III	Core XVI	Entrepreneurship Development	4	4	40	60	100
	14 UCO 6C17	III	Core XVII	Financial Services	4	4	40	60	100
	14 UCO 6S4	IV	Skill Based Elective-IV	Services Marketing	2	2	40	60	100
	14 UCN 6GS	V	Gender Studies	Gender Studies	1	1	40	60	100
	14 UCO 6EC4		Extra Credit-IV	Strategic Management	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

## B.A. ECONOMICS

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14U1LT1/LA1/ LF1/LH1/LU1	I	Language-I		6	3	40	60	100
	14UCN1E1	II	English-I		6	3	40	60	100
	14UEC1A1	III	Allied I	Economic Statistics-I	6	4	40	60	100
	14UEC1C1	III	Core I	Micro Economics -I	6	4	40	60	100
	14UEC1M1	III	Major Based Elective - I	Monetary Economics -I	3	3	40	60	100
14UCN1VE	IV	Value Education	Value Education	3	3	40	60	100	
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
II	14U2LT2/LA2/ LF2/LH2/LU2	I	Language - II		6	3	40	60	100
	14UCN2E2	II	English - II		6	3	40	60	100
	14UEC2A2	III	Allied II	Economic Statistics - II	5	4	40	60	100
	14UEC2C2	III	Core II	Micro Economics - II	6	4	40	60	100
	14UEC2M2	III	Major Based Elective - II	Monetary Economics - II	3	3	40	60	100
	14UEC2N1	IV	Non - Major Elective - I #		2	2	40	60	100
14UCN2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100	
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14U3LT3/LA3/ LF3/LH3/LU3	I	Language - III		6	3	40	60	100
	14UCN3E3	II	English - III		6	3	40	60	100
	14UEC3A3	III	Allied III	Mathematical Methods for Economics	6	4	40	60	100
	14UEC3C3	III	Core III	Indian Economic Development	5	4	40	60	100
	14UEC3M3	III	Major Based Elective - III	Agricultural Economics	3	3	40	60	100
	14UEC3N2	IV	Non Major Elective - II #		2	2	40	60	100
14UCN3S1	IV	Skill Based Elective - I	Soft Skills	2	2	40	60	100	
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
IV	14U4LT4/LA4/ LF4/LH4/LU4	I	Language - IV		6	3	40	60	100
	14UCN4E4	II	English - IV		6	3	40	60	100
	14UEC4A4	III	Allied IV	Computer Applications for Economic Analysis - Theory	3	2	20	30	50
	14UEC4A4P	III	Allied IV	Computer Applications for Economic Analysis - Practical	3	2	20	30	50
	14UEC4C4	III	Core IV	Economic Systems	5	4	40	60	100
	14UEC4C5	III	Core V	Capital Market	5	4	40	60	100
	14UEC4S2	IV	Skill Based Elective - II	Advertisement Management	2	2	40	60	100
	14UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	2	-	-	-
	14UEC4EC1		Extra Credit - I	Environmental Economics	-	4*	-	100*	100*
14UEC4EC2		Extra Credit - II	Principles & Practices of Insurance	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
V	14UEC5C6	III	Core VI	Macro Economics - I	5	4	40	60	100
	14UEC5C7	III	Core VII	Fiscal Economics - I	4	4	40	60	100
	14UEC5C8	III	Core VIII	International Economics - I	4	4	40	60	100
	14UEC5C9	III	Core IX	Economics of Growth & Development-I	4	4	40	60	100
	14UEC5C10	III	Core X	Industrial Economics	4	4	40	60	100
	14UEC5C11	III	Core XI	History of Economic Thought	4	4	40	60	100
	14UEC5M4	III	Major Based Elective - IV	Principles of Marketing	3	3	40	60	100
	14UEC5S3	IV	Skill Based Elective - III	Accounting Package - Theory	2	2	40	60	100
14UEC5EC3		Extra Credit - III	Labour Economics	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
VI	14UEC6C12	III	Core XII	Macro Economics - II	5	4	40	60	100
	14UEC6C13	III	Core XIII	Fiscal Economics - II	5	4	40	60	100
	14UEC6C14	III	Core XIV	International Economics - II	5	4	40	60	100
	14UEC6C15	III	Core XV	Economics of Growth & Development-II	4	4	40	60	100
	14UEC6C16	III	Core XVI	Entrepreneurial Development	4	4	40	60	100
	14UEC6C17	III	Core XVII	Managerial Economics	4	4	40	60	100
	14UEC6S4 P	IV	Skill Based Elective-IV	Accounting Package - Practical	2	2	40	60	100
14UCN6GS	V	Gender Studies	Gender Studies	1	1	40	60	100	
14UEC6EC4		Extra Credit - IV	Retail Marketing	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

## B.A. HISTORY

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS/WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14U1 LT1/LA1/LF1/LH1/LU1	I	Language-I		6	3	40	60	100
	14UCN1E1	II	English-I		6	3	40	60	100
	14UHS1A1	III	Allied I	Modern Governments (Excluding India)	6	4	40	60	100
	14UHS1C1	III	Core I	History of India upto 1206 A.D.	6	4	40	60	100
	14UHS1M1	III	Major Based Elective-I	The Constitutional History of India	3	3	40	60	100
	14UCN1VE	IV	Value Education	Value Education	3	3	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
II	14U2LT2/LA2/LF2/LH2/LU2	I	Language-II		6	3	40	60	100
	14UCN2E2	II	English-II		6	3	40	60	100
	14UHS2A2	III	Allied II	Public Administration	5	4	40	60	100
	14UHS2C2	III	Core II	History of Tamil Nadu upto 1800 A.D.	6	4	40	60	100
	14UHS2M2	III	Major Based Elective -II	Journalism	3	3	40	60	100
	14UHS2N1	IV	Non Major Elective-I#		2	2	40	60	100
	14UCN2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14U3LT3/LA3/LF3/LH3/LU3	I	Language-III		6	3	40	60	100
	14UCN3E3	II	English-III		6	3	40	60	100
	14UHS3A3	III	Allied III	An Introduction to Human Rights	6	4	40	60	100
	14UHS3C3	III	Core III	History of India from 1206 to 1757 A.D	5	4	40	60	100
	14UHS3M3	III	Major Based Elective-III	Economic History of India	3	3	40	60	100
	14UHS3N2	IV	Non Major Elective-II#		2	2	40	60	100
	14UCN3S1	IV	Skill Based Elective I	Soft Skills	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
IV	14U4LT4/LA4/LF4/LH4/LU4	I	Language-IV		6	3	40	60	100
	14UCN4E4	II	English-IV		6	3	40	60	100
	14UHS4A4	III	Allied IV	Archaeology	6	4	40	60	100
	14UHS4C4	III	Core IV	History of India from 1757 to 1947 A.D.	5	4	40	60	100
	14UHS4C5	III	Core V	History of Tamil Nadu from 1801 to 1987 A.D.	5	4	40	60	100
	14UHS4S2	IV	Skill Based Elective-II	Indian Epigraphy	2	2	40	60	100
	14UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	2	-	-	-
	14UHS4EC1		Extra Credit-I	Art & Iconography in India	-	4*	-	100*	100*
	14UHS4EC2		Extra Credit-II	Cultural and Heritage Centres in Tiruchirappalli	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
V	14UHS5C6	III	Core VI	Contemporary India	5	4	40	60	100
	14UHS5C7	III	Core VII	History of the Arabs upto 1258 A.D.	4	4	40	60	100
	14UHS5C8	III	Core VIII	History of Europe from 1453 to 1789 A.D.	4	4	40	60	100
	14UHS5C9	III	Core IX	History of the U.S.A from 1865 to 1964 A.D.	4	4	40	60	100
	14UHS5C10	III	Core X	History of England from 1688 to 1945 A.D.	4	4	40	60	100
	14UHS5C11	III	Core XI	Modern Asia (Excluding China and Japan)	4	4	40	60	100
	14UHS5M4	III	Major Based Elective-IV	Methods of Teaching History	3	3	40	60	100
	14UHS5S3	IV	Skill Based Elective-III	Archives Keeping	2	2	40	60	100
	14UHS5EC3		Extra Credit-III	Computer Application in History	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
VI	14UHS6C12	III	Core XII	Makers of Modern India	5	4	40	60	100
	14UHS6C13	III	Core XIII	Modern History of China and Japan	5	4	40	60	100
	14UHS6C14	III	Core XIV	History of Science and Technology	5	4	40	60	100
	14UHS6C15	III	Core XV	History of World Religions	4	4	40	60	100
	14UHS6C16	III	Core XVI	History of Ancient Civilizations	4	4	40	60	100
	14UHS6C17	III	Core XVII	History of Europe from 1789 to 1945 A.D.	4	4	40	60	100
	14UHS6S4	IV	Skill Based Elective-IV	Panchayat Raj	2	2	40	60	100
	14UCN6GS	V	Gender Studies	Gender Studies	1	1	40	60	100
	14UHS6EC4		Extra Credit-IV	Introduction to Museology	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.



## B.Sc. BIOTECHNOLOGY

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS/WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14U1LT1/LA1/LF1/LH1/LU1	I	Language -I		6	3	40	60	100
	14UCN1E1	II	English -I		6	3	40	60	100
	14UBT1A1	III	Allied I	Plant Diversity	5	2	20	30	50
	14UBT1A1P	III	Allied I	Plant Diversity-Practical	3	2	20	30	50
	14UBT1C1	III	Core I	Cell Biology	4	4	40	60	100
	14UBT1M1	III	Major Based Elective-I	Basic Biotechnology	3	3	40	60	100
	14UCN1VE	IV	Value Education	Value Education	3	3	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
II	14U1LT2/LA2/LF2/LH2/LU2	I	Language -II		6	3	40	60	100
	14UCN2E2	II	English -II	English	6	3	40	60	100
	14UBT 2A2	III	Allied II	Biophysics and Biochemistry	4	2	20	30	50
	14UBT 2A2P	III	Allied II	Biophysics and Biochemistry-practical	3	2	20	30	50
	14UBT 2C2	III	Core II	Animal Diversity	4	4	40	60	100
	14UBT 2M2	III	Major Based Elective –II	Bioinstrumentation	3	3	40	60	100
	14UBT2N1	IV	Non Major Elective – II#		2	2	40	60	100
14UCN 2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100	
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14U1LT3/LA3/LF3/LH3/LU3	I	Language -III		6	3	40	60	100
	14UCN3E3	II	English -III		6	3	40	60	100
	14UBT3A3	III	Allied III	Microbiology	4	2	20	30	50
	14UBT 3A3P	III	Allied III	Microbiology-Practical	3	2	20	30	50
	14UBT 3C3	III	Core III	Principles of Genetics	4	4	40	60	100
	14UBT 3M3	III	Major Based Elective – III	Developmental Biology	3	3	40	60	100
	14UBT 3N2	IV	Non – Major Elective –II#		2	2	40	60	100
14UCN3S1	IV	Skill Based Elective - I	Soft Skills	2	2	40	60	100	
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
IV	14U1 LT4/LA4/LF4/LH4/LU4	I	Language -IV		6	3	40	60	100
	14UCN4E4	II	English -IV		6	3	40	60	100
	14UBT 4A4	III	Allied IV	Basic Immunology	5	2	20	30	50
	14UBT 4A4P	III	Allied IV	Basic Immunology -Practical	3	2	20	30	50
	14UBT 4C4	III	Core IV	Enzymology and Enzyme Technology	4	4	40	60	100
	14UBT 4C5	III	Core V	Biopharmaceuticals	4	4	40	60	100
	14UBT 4S2	IV	Skill Based Elective – II	Human Anatomy and Physiology	2	2	40	60	100
	14UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	2	-	-	-
	14UBT 4EC1		Extra Credit -I	Mushroom Cultivation	-	4*	-	100*	100*
	14UBT 4EC2		Extra Credit -II	Ethno botany and Herbal Medicine	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
V	14UBT5C6	III	Core VI	Molecular Biology	5	4	40	60	100
	14UBT5C7	III	Core VII	Recombinant DNA Technology	4	4	40	60	100
	14UBT5C8P	III	Core VIII	Molecular Biology and Recombinant DNA Technology - Practical	4	4	40	60	100
	14UBT5C9	III	Core IX	Bioprocess Technology	4	4	40	60	100
	14UBT5C10	III	Core X	Environmental Biotechnology	4	4	40	60	100
	14UBT5C11P	III	Core XI	Bioprocess Technology and Environmental Biotechnology-Practical	4	4	40	60	100
	14UBT5M4	III	Major Based Elective – IV	Biostatistics and Computer Applications in Biology	3	3	40	60	100
	14UBT5S3	IV	Skill Based Elective – III	Cancer and Stem Cell Biology	2	2	40	60	100
14UBT5EC3		Extra Credit – III	Marine Ecology and Biodiversity Conservation	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
VI	14UBT6C12	III	Core XII	Plant Biotechnology	5	4	40	60	100
	14UBT6C13	III	Core XIII	Food Biotechnology	5	4	40	60	100
	14UBT6C14P	III	Core XIV	Plant Biotechnology and Food Biotechnology -Practical	5	4	40	60	100
	14UBT6C15	III	Core XV	Animal Biotechnology	4	4	40	60	100
	14UBT6C16	III	Core XVI	Bioinformatics	4	4	40	60	100
	14UBT6C17P	III	Core XVII	Animal Biotechnology and Bioinformatics -Practical	4	4	40	60	100
	14UBT6S4	IV	Skill Based Elective - IV	Forensic Science	2	2	40	60	100
	14U CN6GS	V	Gender Studies	Gender Studies	1	1	40	60	100
14UBT6EC4		Extra Credit-IV	IPR and Biosafety	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

## B.Sc. BOTANY

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14 U1LT1/LA1/LF1/LH1/LU1	I	Language – I		6	3	40	60	100
	14 UCN1E1	II	English – I		6	3	40	60	100
	14UCH1A1:2	III	Allied I	Inorganic and Organic Chemistry	5	2	20	30	50
	14 UCH 1A1P	III	Allied I	Volumetric Analysis - Practical	3	2	20	30	50
	14 UBO 1C1	III	Core I	Algae, Fungi, Lichens and Bryophytes	2	2	20	30	50
	14 UBO 1C1P	III	Core I	Algae, Fungi, Lichens and Bryophytes-Practical	2	2	20	30	50
	14 UBO 1M1	III	Major Based Elective-I	Biological Techniques	3	3	40	60	100
14 UCN1VE	IV	Value Education	Value Education	3	3	40	60	100	
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
II	14 U2LT2/LA2/LF2/LH2/LU2	I	Language – II		6	3	40	60	100
	14 UCN2E2	II	English –II		6	3	40	60	100
	14UCH2A2:2	III	Allied II	Bio- Organic Chemistry	5	2	20	30	50
	14 UCH 2A2P	III	Allied II	Organic Analysis – Practical	2	2	20	30	50
	14 UBO 2C2	III	Core II	Pteridophytes, Gymnosperms and Paleobotany	2	2	20	30	50
	14 UBO 2C2P	III	Core II	Pteridophytes, Gymnosperms and Paleobotany - Practical	2	2	20	30	50
	14 UBO 2M2	III	Major Based Elective-II	Remote Sensing and Vegetation Analysis	3	3	40	60	100
14 UBO 2N1	IV	Non-Major Elective-I #		2	2	40	60	100	
14 UCN 2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100	
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14 U3LT3/LA3/LF3/LH3/LU3	I	Language - III		6	3	40	60	100
	14 UCN3E3	II	English – III		6	3	40	60	100
	14 UZO 3A3	III	Allied III	Animal Structure and Function	4	2	20	30	50
	14 UZO 3A3P	III	Allied III	Invertebrata and Chordata – Practical	3	2	20	30	50
	14 UBO 3C3	III	Core III	Anatomy and Embryology	2	2	20	30	50
	14 UBO 3C3P	III	Core III	Anatomy and Embryology - Practical	2	2	20	30	50
	14 UBO 3M3	III	Major Based Elective-III	Plant Tissue Culture	3	3	40	60	100
14 UBO 3N2	IV	Non-Major Elective-II #		2	2	40	60	100	
14UCN3S1	IV	Skill Based Elective - I	Soft Skills	2	2	40	60	100	
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
IV	14 U4LT4/LA4/LF4/LH4/LU4	I	Language - IV		6	3	40	60	100
	14 UCN4E4	II	English –IV		6	3	40	60	100
	14 UZO 4A4	III	Allied IV	Commercial Zoology	5	2	20	30	50
	14 UZO 4A4P	III	Allied IV	Animal Physiology and Commercial Zoology - Practical	3	2	20	30	50
	14 UBO 4C4	III	Core IV	Morphology and Taxonomy	4	4	40	60	100
	14 UBO 4C5P	III	Core V	Morphology and Taxonomy - Practical	4	4	40	60	100
	14 UBO 4S2	IV	Skill Based Elective-II	Biofertilizer Production	2	2	40	60	100
14 UCN4EA	V	Extension Activities	NCC,NSS,etc.	-	2	-	-	-	
14 UBO 4EC1		Extra Credit – I	Plant Diseases	-	4*	-	100*	100*	
14 UBO 4EC2		Extra Credit - II	Bio-fuels	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
V	14 UBO 5C6	III	Core VI	Cytology, Genetics and Evolution	5	4	40	60	100
	14 UBO 5C7	III	Core VII	Plant Physiology	4	4	40	60	100
	14 UBO 5C8	III	Core VIII	Biotechnology	4	4	40	60	100
	14 UBO 5C9	III	Core IX	Bioinformatics, Biostatistics and Computer Applications	4	4	40	60	100
	14 UBO 5C10P	III	Core X	Cytology, Genetics, Evolution and Plant Physiology – Practical	4	4	40	60	100
	14 UBO 5C11P	III	Core XI	Biotechnology, Biostatistics And Bioinformatics - Practical	4	4	40	60	100
	14 UBO 5M4	III	Major Based Elective-IV	Economic Botany	3	3	40	60	100
14 UBO 5S3	IV	Skill Based Elective-III	Gardening	2	2	40	60	100	
14 UBO 5EC3		Extra Credit - III	Food and Dairy Microbiology	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
VI	14 UBO 6C12	III	Core XII	Biochemistry and Biophysics	5	4	40	60	100
	14 UBO 6C13	III	Core XIII	Horticulture and Plant Breeding	5	4	40	60	100
	14 UBO 6C14	III	Core XIV	Ecology and Phytogeography	5	4	40	60	100
	14 UBO 6C15	III	Core XV	Microbiology and Immunology	4	4	40	60	100
	14 UBO 6C16P	III	Core XVI	Biochemistry, Biophysics, Horticulture and Plant Breeding – Practical	4	4	40	60	100
	14 UBO 6C17P	III	Core XVII	Microbiology, Immunology Ecology and Phytogeography - Practical	4	4	40	60	100
	14 UBO 6S4	IV	Skill Based Elective-IV	Organic Farming	2	2	40	60	100
14 UCN 6GS	V	Gender Studies	Gender Studies	1	1	40	60	100	
14 UBO 6EC4		Extra Credit-IV	Global Warming	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

### B.Sc. CHEMISTRY (With Allied Mathematics)

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14U1 LT1/LA1/LF1/LH1 / LU1	I	Language - I		6	3	40	60	100
	14UCN1E1	II	English – I		6	3	40	60	100
	14UPH1A1	III	Allied I	Properties of Matter and Sound	5	2	20	30	50
	14UPH1A1P	III	Allied I	Properties of Matter – Practical	3	2	20	30	50
	14UCH1C1	III	Core I	Inorganic, Organic and Physical Chemistry - I	4	4	40	60	100
	14UCH1M1P	III	Major Based Elective -I	Volumetric Analysis-Practical	3	3	40	60	100
	14UCN1VE	IV	Value Education	Value Education	3	3	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
II	14U2 LT2 / LA2/LF2/LH2/ LU2	I	Language – II		6	3	40	60	100
	14UCN2E2	II	English – II		6	3	40	60	100
	14UPH2A2	III	Allied II	Modern Physics	4	2	20	30	50
	14UPH2A2P	III	Allied II	Optical, Thermal and Electricity – Practical	3	2	20	30	50
	14UCH2C2	III	Core II	Inorganic, Organic and Physical Chemistry - II	4	4	40	60	100
	14UCH2M2P	III	Major Based Elective -II	Industrial Chemistry - Practical	3	3	40	60	100
	14UCH2N1	IV	Non-Major Elective-I#		2	2	40	60	100
14UCN2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100	
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14U3 LT3 / LA3/LF3/LH3/ LU3	I	Language – III		6	3	40	60	100
	14UCN3E3	II	English - III		6	3	40	60	100
	14UMA3A3:2	III	Allied III	Classical Algebra	7	4	40	60	100
	14UCH3C3	III	Core III	Inorganic, Organic and Physical Chemistry- III	4	4	40	60	100
	14UCH3M3P	III	Major Based Elective -III	Domestic Products Preparation – Practical	3	3	40	60	100
	14UCH3N2	IV	Non-Major Elective-II#		2	2	40	60	100
	14UCN3S1	IV	Skill Based Elective - I	Soft Skills	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
IV	14U4 LT4/LA4/LF4/LH4/ LU4	I	Language-IV		6	3	40	60	100
	14UCN4E4	II	English-IV		6	3	40	60	100
	14UMA4A4:2	III	Allied IV	Calculus and Trigonometry	8	4	40	60	100
	14UCH4C4	III	Core IV	Inorganic, Organic and Physical Chemistry – IV	4	4	40	60	100
	14UCH4C5P	III	Core V	Inorganic Qualitative Analysis-Practical	4	4	40	60	100
	14UCH4S2	IV	Skill Based Elective – II	Separation and Purification Techniques	2	2	40	60	100
	14UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	2	-	-	-
	14UCH4EC1		Extra Credit- I	Computer Applications in Chemistry	-	4*	-	100*	100*
	14UCH4EC2		Extra Credit- II	Photochemistry and Radiation Chemistry	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
V	14UCH5C6P	III	Core VI	Gravimetric Estimation and Physical Constants Determination- Practical	5	4	40	60	100
	14UCH5C7	III	Core VII	Transition Elements and Nuclear Chemistry	4	4	40	60	100
	14UCH5C8	III	Core VIII	Organic Reactions, Heterocyclic and Stereo Chemistry	4	4	40	60	100
	14UCH5C9	III	Core IX	Thermodynamics and Solutions	4	4	40	60	100
	14UCH5C10	III	Core X	Analytical Chemistry	4	4	40	60	100
	14UCH5C11	III	Core XI	Applied Chemistry	4	4	40	60	100
	14UCH5M4P	III	Major Based Elective-IV	Physical Chemistry Electrical - Practical	3	3	40	60	100
	14UCH5S3	IV	Skill based elective-III	Medicinal Chemistry	2	2	40	60	100
14UCH5EC3		Extra Credit- III	Chemistry for Competitive Examinations-I	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
VI	14UCH6C12	III	Core XII	Co-ordination Chemistry and Applications	5	4	40	60	100
	14UCH6C13	III	Core XIII	Molecular Spectroscopy and Electrochemistry	5	4	40	60	100
	14UCH6C14P	III	Core XIV	Organic Analysis and Preparation-Practical	5	4	40	60	100
	14UCH6C15P	III	Core XV	Physical Chemistry Non - Electrical – Practical	4	4	40	60	100
	14UCH6C16	III	Core XVI	Organic Compounds and Molecular Rearrangements	4	4	40	60	100
	14UCH6C17	III	Core XVII	Soil, Dairy and Leather Chemistry	4	4	40	60	100
	14UCH6S4	IV	Skill Based Elective-IV	Chemistry of Biomolecules	2	2	40	60	100
	14UCN6GS	V	Gender Studies	Gender Studies	1	1	40	60	100
14UCH6EC4		Extra Credit- IV	Chemistry for Competitive Examinations-II	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

## B.Sc. CHEMISTRY (With Allied Botany)

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14U1LT1/LA1/LF1/LH1/LU1	I	Language - I		6	3	40	60	100
	14UCN1E1	II	English – I		6	3	40	60	100
	14UPH1A1	III	Allied I	Properties of Matter and Sound	5	2	20	30	50
	14UPH1A1P	III	Allied I	Allied Physics I - Practical	3	2	20	30	50
	14UCH1C1	III	Core I	Inorganic, Organic and Physical Chemistry-I	4	4	40	60	100
	14UCH1M1P	III	Major Based Elective -I	Volumetric Analysis - Practical	3	3	40	60	100
	14UCN1VE	IV	Value Education	Value Education	3	3	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
II	14U2LT2/LA2/LF2/LH2/LU2	I	Language – II		6	3	40	60	100
	14UCN2E2	II	English – II		6	3	40	60	100
	14UPH2A2	III	Allied II	Modern Physics	4	2	20	30	50
	14UPH2A2P	III	Allied II	Allied Physics II – Practical	3	2	20	30	50
	14UCH2C2	III	Core II	Inorganic, Organic and Physical Chemistry-II	4	4	40	60	100
	14UCH2M2P	III	Major Based Elective-II	Industrial Chemistry- Practical	3	3	40	60	100
	14UCH2N1	IV	Non-Major Elective-II#		2	2	40	60	100
14UCN2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100	
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14U3LT3/LA3/LF3/LH3/LU3	I	Language – III		6	3	40	60	100
	14UCN3E3	II	English – III		6	3	40	60	100
	14UBO3A3	III	Allied III	Morphology, Taxonomy, Anatomy and Embryology	4	2	20	30	50
	14UBO3A3P	III	Allied III	Morphology, Taxonomy, Anatomy and Embryology - Practical	3	2	20	30	50
	14UCH3C3	III	Core III	Inorganic, Organic and Physical Chemistry-III	4	4	40	60	100
	14UCH3M3P	III	Major Based Elective -III	Domestic Products Preparation - Practical	3	3	40	60	100
	14UCH3N2	IV	Non-Major Elective-II#		2	2	40	60	100
14UCN3S1	IV	Skill Based Elective – I	Soft Skills	2	2	40	60	100	
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
IV	14U4LT4/LA4/LF4/LH4/LU4	I	Language – IV		6	3	40	60	100
	14UCN4E4	II	English – IV		6	3	40	60	100
	14UBO4A4	III	Allied IV	Thallophytes, Bryophytes, Pteridophytes, Gymnosperms and Plant Physiology	5	2	20	30	50
	14UBO4A4P	III	Allied IV	Thallophytes, Bryophytes, Pteridophytes, Gymnosperms and Plant Physiology-Practical	3	2	20	30	50
	14UCH4C4	III	Core IV	Inorganic, Organic and Physical Chemistry-IV	4	4	40	60	100
	14UCH4C5P	III	Core V	Inorganic Qualitative analysis- Practical	4	4	40	60	100
	14UCH4S2	IV	Skill Based Elective - II	Separation and Purification Techniques	2	2	40	60	100
	14UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	2	-	-	-
	14UCH4EC1		Extra Credit- I	Computer Applications in Chemistry	-	4*	-	100*	100*
14UCH4EC2		Extra Credit- II	Photochemistry and Radiation Chemistry	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
V	14UCH5C6P	III	Core VI	Gravimetric Estimation and Physical Constants Determination- Practical	5	4	40	60	100
	14UCH5C7	III	Core VII	Transition Elements and Nuclear Chemistry	4	4	40	60	100
	14UCH5C8	III	Core VIII	Organic Reactions, Heterocyclic and Stereo Chemistry	4	4	40	60	100
	14UCH5C9	III	Core IX	Thermodynamics and Solutions	4	4	40	60	100
	14UCH5C10	III	Core X	Analytical Chemistry	4	4	40	60	100
	14UCH5C11	III	Core XI	Applied Chemistry	4	4	40	60	100
	14UCH5M4P	III	Major Based Elective-IV	Physical Chemistry Electrical- Practical	3	3	40	60	100
	14UCH5S3	IV	Skill based Elective-III	Medicinal Chemistry	2	2	40	60	100
	14UCH5EC3		Extra Credit- III	Chemistry for Competitive Examinations-I	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
VI	14UCH6C12	III	Core XII	Co-ordination Chemistry and Applications	5	4	40	60	100
	14UCH6C13	III	Core XIII	Molecular Spectroscopy and Electrochemistry	5	4	40	60	100
	14UCH6C14P	III	Core XIV	Organic Analysis and Preparation- Practical	5	4	40	60	100
	14UCH6C15P	III	Core XV	Physical Chemistry Non Electrical-Practical	4	4	40	60	100
	14UCH6C16	III	Core XVI	Organic Compounds and Molecular Rearrangements	4	4	40	60	100
	14UCH6C17	III	Core XVII	Soil, Dairy and Leather Chemistry	4	4	40	60	100
	14UCH6S4	IV	Skill Based Elective-IV	Chemistry of Bio molecules	2	2	40	60	100
	14UCN6GS	V	Gender Studies	Gender Studies	1	1	40	60	100
14UCH6EC4		Extra Credit- IV	Chemistry for Competitive Examinations-II	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

## B.Sc. COMPUTER SCIENCE

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS/WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
<b>I</b>	14 U1LT1/LA1/LF1/LH1/LU1	I	Language-I		6	3	40	60	100
	14 UCN1E1	II	English-I		6	3	40	60	100
	14 UMA1A1	III	Allied I	Calculus and Numerical methods	8	4	40	60	100
	14 UCS1C1	III	Core I	Programming in C	4	4	40	60	100
	14 UCS1M1P	III	Major Based Elective – I	C Programming Lab	3	3	40	60	100
	14 UCN1VE	IV	Value Education	Value Education	3	3	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
<b>II</b>	14 U2LT2/LA2/LF2/LH2/LU2	I	Language-II		6	3	40	60	100
	14 UCN2E2	II	English-II		6	3	40	60	100
	14 UMA2A2	III	Allied II	Statistics and Operation Research	7	4	40	60	100
	14 UCS2C2	III	Core II	Object Oriented Programming with C++	4	4	40	60	100
	14 UCS2M2P	III	Major Based Elective – II	C++ Programming Lab	3	3	40	60	100
	14 UCS2N1	IV	Non-Major Elective – I#		2	2	40	60	100
14UCN2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100	
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
<b>III</b>	14U3LT3/LA3/LF3/LH3/LU3	I	Language-III		6	3	40	60	100
	14UCN3E3	II	English-III		6	3	40	60	100
	14UPH3A3	III	Allied III	Applied Physics-I	4	2	20	30	50
	14UPH3A3P	III	Allied III	Applied Physics I - Practical	3	2	20	30	50
	14UCS3C3	III	Core III	Database Management Systems	4	4	40	60	100
	14UCS3M3P	III	Major Based Elective – III	DBMS Lab	3	3	40	60	100
	14UCS3N2	IV	Non-Major Elective – II#		2	2	40	60	100
	14UCN3S1	IV	Skill Based Elective – I	Soft Skills	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
<b>IV</b>	14U4LT4/LA4/LF4/LH4/LU4	I	Language-IV		6	3	40	60	100
	14UCN4E4	II	English-IV		6	3	40	60	100
	14UPH 4A4	III	Allied IV	Applied Physics – II	5	2	20	30	50
	14UPH 4A4P	III	Allied IV	Applied Physics II - Practical	3	2	20	30	50
	14UCS4C4	III	Core IV	Data Structures and Algorithms	4	4	40	60	100
	14UCS4C5	III	Core V	Web Design	2	2	20	30	50
	14UCS4C5P	III	Core V	Data Structures Lab	2	2	20	30	50
	14UCS4S2	IV	Skill Based Elective – II	General Aptitude	2	2	40	60	100
	14UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	2	-	-	-
	14UCS4EC1		Extra Credit – I	E-Commerce	-	4*	-	100*	100*
	14UCS4EC2		Extra Credit – II	Data Mining	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
<b>V</b>	14UCS5C6P1	III	Core VI	Java Programming Lab	3	2	20	30	50
	14UCS5C6P2	III	Core VI	Web Design Lab	2	2	20	30	50
	14UCS5C7	III	Core VII	Scripting Languages	4	4	40	60	100
	14UCS5C8	III	Core VIII	Java Programming	4	4	40	60	100
	14UCS5C9	III	Core IX	Computer Organization and Architecture	4	4	40	60	100
	14UCS5C10	III	Core X	Operating Systems	4	4	40	60	100
	14UCS5C11	III	Core XI	Software Engineering	4	4	40	60	100
	14UCS5M4	III	Major Based Elective – IV	VB. Net	3	3	40	60	100
	14UCS5S3	IV	Skill Based Elective – III	Multimedia Fundamentals	2	2	40	60	100
	14UCS5EC3		Extra Credit – III	Software Testing	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>VI</b>	14UCS6C12	III	Core XII	Computer Graphics	5	4	40	60	100
	14UCS6C13	III	Core XIII	Computer Networks	5	4	40	60	100
	14UCS6C14P1	III	Core XIV	Digital and Microprocessor Lab	3	2	20	30	50
	14UCS6C14P2	III	Core XIV	Open Source Lab	2	2	20	30	50
	14UCS6C15	III	Core XV	Microprocessor Fundamentals	4	4	40	60	100
	14UCS6C16P1	III	Core XVI	.Net Lab	2	2	20	30	50
	14UCS6C16P2	III	Core XVI	Multimedia Lab	2	2	20	30	50
	14UCS6C17	III	Core XVII	Open Source Technology	4	4	40	60	100
	14UCS6S4	IV	Skill Based Elective – IV	PC Hardware & Troubleshooting	2	2	40	60	100
	14UCN6GS	V	Gender Studies	Gender Studies	1	1	40	60	100
14UCS6EC4		Extra Credit – IV	Network Security	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

## B.C.A.

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14 U1LT1/LA1/LH1/LU1/LF1	I	Language – I		6	3	40	60	100
	14UCN1E1	II	English – I		6	3	40	60	100
	14UCA1A1	III	Allied I	Numerical Methods and Statistics	6	4	40	60	100
	14UCA1C1	III	Core I	Programming in C	6	4	40	60	100
	14UCA1M1P	III	Major Based Elective – I	C Programming Lab	3	3	40	60	100
	14UCN1VE	IV	Value Education	Value Education	3	3	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
II	14U2LT2/LA2/LH2/LU2/LF2	I	Language – II		6	3	40	60	100
	14UCN2E2	II	English – II		6	3	40	60	100
	14UCA2A2	III	Allied II	Operations Research	5	4	40	60	100
	14UCA2C2	III	Core II	Programming in C++	6	4	40	60	100
	14UCA2M2P	III	Major Based Elective – II	C++ Programming Lab	3	3	40	60	100
	14UCA2N1	IV	Non-Major Elective – I#		2	2	40	60	100
	14UCN2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14U3LT3/LA3/LH3/LU3/LF3	I	Language – III		6	3	40	60	100
	14UCN3E3	II	English – III		6	3	40	60	100
	14UCA3A3	III	Allied III	Organizational Behaviour	6	4	40	60	100
	14UCA3C3	III	Core III	Visual Programming	5	4	40	60	100
	14UCA3M3P	III	Major Based Elective-III	Visual Programming Lab	3	3	40	60	100
	14UCA3N2	IV	Non-Major Elective -II#		2	2	40	60	100
	14UCN3S1	IV	Skill Based Elective-I	Soft Skills	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
IV	14U4LT4/LA4/LH4/LU4/LF4	I	Language – IV		6	3	40	60	100
	14UCN4E4	II	English - IV		6	3	40	60	100
	14UCA4A4	III	Allied IV	Principles of Accountancy	4	2	20	30	50
	14UCA4A4P	III	Allied IV	Tally Lab	2	2	20	30	50
	14UCA4C4	III	Core IV	Digital Electronics	5	4	40	60	100
	14UCA4C5	III	Core V	Data Structures	5	4	40	60	100
	14UCA4S2	IV	Skill Based Elective – II	General Aptitude	2	2	40	60	100
	14UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	2	-	-	-
	14UCA4EC1		Extra Credit – I	Design and Analysis of Algorithms	-	4*	-	100*	100*
14UCA4EC2		Extra Credit – II	Microprocessors	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
V	14UCA5C6	III	Core VI	Java Programming	5	4	40	60	100
	14UCA5C7	III	Core VII	Database Management Systems	4	4	40	60	100
	14UCA5C8	III	Core VIII	Operating Systems	4	4	40	60	100
	14UCA5C9	III	Core IX	Multimedia Technology	4	4	40	60	100
	14UCA5C10P	III	Core X	Java Programming Lab	4	4	40	60	100
	14UCA5C11	III	Core XI	E-Commerce	4	4	40	60	100
	14UCA5M4P	III	Major Based Elective– IV	Data Structures Lab	3	3	40	60	100
	14UCA5S3	IV	Skill Based Elective – III	Web Design	2	2	40	60	100
14UCA5EC3		Extra Credit – III	Enterprise Resource Planning	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
VI	14UCA6C12	III	Core XII	Computer Graphics	5	4	40	60	100
	14UCA6C13	III	Core XIII	Computer Networks	5	4	40	60	100
	14UCA6C14	III	Core XIV	Fundamentals of Linux	3	2	20	30	50
	14UCA6C14P	III	Core XIV	Shell Programming Lab	2	2	20	30	50
	14UCA6C15	III	Core XV	IT Systems Management	4	4	40	60	100
	14UCA6C16	III	Core XVI	PHP Programming	4	4	40	60	100
	14UCA6C17P1	III	Core XVII	PHP Lab	2	2	20	30	50
	14UCA6C17P2	III	Core XVII	XML Lab	2	2	20	30	50
	14UCA6S4	IV	Skill Based Elective – IV	Fundamentals of XML	2	2	40	60	100
	14UCN6GS	V	Gender Studies	Gender Studies	1	1	40	60	100
14UCA6EC4		Extra Credit – IV	Mobile Communications	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

## B.Sc. INFORMATION TECHNOLOGY

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARK	SE MARK	TOTAL MARK
I	14 U1LT1/LA1/LF1/LH1/LU1	I	Language – I		6	3	40	60	100
	14UCN1E1	II	English – I		6	3	40	60	100
	14 UIT1A1	III	Allied I	Mathematics for IT	6	4	40	60	100
	14 UIT1C1	III	Core I	Programming in C	6	4	40	60	100
	14 UIT1M1P	III	Major Based Elective-I	C Programming Lab	3	3	40	60	100
	14 UCN1VE	IV	Value Education	Value Education	3	3	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
II	14U2LT2/LA2/LF2/LH2/LU2	I	Language – II		6	3	40	60	100
	14UCN2E2	II	English – II		6	3	40	60	100
	14UIT2A2	III	Allied II	Resource Management Techniques	5	4	40	60	100
	14UIT2C2	III	Core II	Programming in C++	6	4	40	60	100
	14UIT2M2P	III	Major Based Elective– II	C++ Programming Lab	3	3	40	60	100
	14UIT2N1	IV	Non-Major Elective – I #		2	2	40	60	100
	14UCN2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14U3LT3/LA3/LF3/LH3/LU3	I	Language – III		6	3	40	60	100
	14UCN3E3	II	English – III		6	3	40	60	100
	14UIT3A3	III	Allied III	IT Marketing	6	4	40	60	100
	14UIT3C3	III	Core III	Data Structures and Algorithms	5	4	40	60	100
	14UIT3M3P	III	Major Based Elective – III	Data Structures Lab	3	3	40	60	100
	14UIT3N2	IV	Non-Major Elective – II #		2	2	40	60	100
	14UCN3S1	IV	Skill Based Elective – I	Soft Skills	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
IV	14 U4LT4/LA4/LF4/LH4/LU4	I	Language – IV		6	3	40	60	100
	14UCN4E4	II	English – IV		6	3	40	60	100
	14UIT4A4	III	Allied IV	Organizational Dynamics	6	4	40	60	100
	14UIT4C4	III	Core IV	Digital Electronics	5	4	40	60	100
	14UIT4C5	III	Core V	Visual Programming	3	2	20	30	50
	14UIT4C5P	III	Core V	Visual Programming Lab	2	2	20	30	50
	14UIT4S2	IV	Skill Based Elective – II	General Aptitude	2	2	40	60	100
	14UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	2	-	-	-
	14UIT4EC1		Extra Credit –I	Android Programming	-	4*	-	100*	100*
	14UIT4EC2		Extra Credit – II	WAP and XML	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
V	14UIT5C6	III	Core VI	Internet and Java Programming	5	4	40	60	100
	14UIT5C7	III	Core VII	Relational Database Management System	4	4	40	60	100
	14UIT5C8	III	Core VIII	Operating Systems	4	4	40	60	100
	14UIT5C9	III	Core IX	IT Systems Management	4	4	40	60	100
	14UIT5C10	III	Core X	PHP Programming	4	4	40	60	100
	14UIT5C11	III	Core XI	Management Information Systems	4	4	40	60	100
	14UIT5M4P	III	Major Based Elective – IV	Java Programming Lab	3	3	40	60	100
	14UIT5S3P	IV	Skill Based Elective– III	RDBMS Lab	2	2	40	60	100
	14UIT5EC3		Extra Credit – III	C# Programming	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
VI	14UIT6C12	III	Core XII	Communication Networks	5	4	40	60	100
	14UIT6C13	III	Core XIII	VB.Net	5	4	40	60	100
	14UIT6C14	III	Core XIV	Linux Administration	5	4	40	60	100
	14UIT6C15P	III	Core XV	.Net Lab	4	4	40	60	100
	14UIT6C16	III	Core XVI	Principles and Practices of Information Security	4	4	40	60	100
	14UIT6C17	III	Core XVII	Multimedia Technology	4	4	40	60	100
	14UIT6S4P	IV	Skill Based Elective – IV	Animation Lab	2	2	40	60	100
	14UCN6GS	V	Gender Studies	Gender Studies	1	1	40	60	100
14UIT6EC4		Extra Credit – IV	SAP	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

## B.Sc. FASHION TECHNOLOGY AND COSTUME DESIGNING

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14U1 LT1/ LA1/ LF1/LH1/LU1	I	Language-I		6	3	40	60	100
	14UCN1E1	II	English - I		6	3	40	60	100
	14UFT1A1P	III	Allied I	Fashion Illustration – Practical	6	4	40	60	100
	14UFT1C1	III	Core I	Fashion Designing	6	4	40	60	100
	14UFT1M1P	III	Major Based Elective-I	Fashion Designing - Practical	3	3	40	60	100
	14UCN1VE	IV	Value Education	Value Education	3	3	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
II	14U2 LT2/ LA2/ LF2/LH2/LU2	I	Language - II		6	3	40	60	100
	14UCN2E2	II	English - II		6	3	40	60	100
	14UFT2A2	III	Allied II	Textile Science	5	4	40	60	100
	14UFT2C2	III	Core II	Basic Garment Construction	6	4	40	60	100
	14UFT2M2P	III	Major Based Elective-II	Basic Garment Construction – Practical	3	3	40	60	100
	14UFT2N1P	IV	Non Major Elective-I #		2	2	40	60	100
14UCN2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100	
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14U3 LT3/ LA3/ LF3/LH3/LU3	I	Language - III		6	3	40	60	100
	14UCN3E3	II	English - III		6	3	40	60	100
	14UFT3A3P	III	Allied III	Pattern making and Garment Construction for Children's Wear -Practical	6	4	40	60	100
	14UFT3C3	III	Core III	Principles of Pattern Making	5	4	40	60	100
	14UFT3M3	III	Major Based Elective-III	Garment Manufacturing Technology	3	3	40	60	100
	14UFT3N2P	IV	Non Major Elective –II#		2	2	40	60	100
14UCN3S1	IV	Skill Based Elective -I	Soft Skills	2	2	40	60	100	
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
IV	14U4 LT4/ LA4/ LF4/LH4/LU4	I	Language – IV		6	3	40	60	100
	14UCN4E4	II	English - IV		6	3	40	60	100
	14UFT4A4P	III	Allied IV	Pattern Making and Garment Construction for Women's Wear - Practical	6	4	40	60	100
	14UFT4C4	III	Core IV	Wet Processing	5	4	40	60	100
	14UFT4C5P	III	Core V	Wet Processing - Practical	5	4	40	60	100
	14UFT4S2P	IV	Skill Based Elective – II	Surface Embellishment -Practical	2	2	40	60	100
	14UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	2	-	-	-
	14UFT4EC1		Extra Credit – I	Visual Merchandising	-	4*	-	100*	100*
14UFT4EC2		Extra Credit - II	Internship	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
V	14UFT5C6P	III	Core VI	Pattern Making and Garment Construction for Men's Wear - Practical	5	4	40	60	100
	14UFT5C7	III	Core VII	Traditional Indian Costumes and Embroidery	4	4	40	60	100
	14UFT5C8	III	Core VIII	Garment Quality and Cost Control	4	4	40	60	100
	14UFT5C9	III	Core IX	Textile Testing	4	4	40	60	100
	14UFT5C10P	III	Core X	Textile Testing - Practical	4	4	40	60	100
	14UFT5C11P	III	Core XI	Computer Aided Designing - Practical	4	4	40	60	100
	14UFT5M4	III	Major Based Elective-IV	Fashion and Clothing Psychology	3	3	40	60	100
	14UFT5S3	IV	Skill Based Elective - III	Cosmetology	2	2	40	60	100
14UFT5EC3		Extra Credit - III	Export Trade	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
VI	14UFT6C12	III	Core XII	Apparel Merchandising and Marketing	5	4	40	60	100
	14UFT6C13	III	Core XIII	Eco Dyeing	5	4	40	60	100
	14UFT6C14	III	Core XIV	Fabric Structure and Design	5	4	40	60	100
	14UFT6C15P	III	Core XV	Fabric Structure and Design - Practical	4	4	40	60	100
	14UFT6C16P	III	Core XVI	Fashion Portfolio Presentation - Practical	4	4	40	60	100
	14UFT6C17	III	Core XVII	Fabric Care	4	4	40	60	100
	14UFT6S4P	IV	Skill Based Elective-IV	Accessories Making - Practical	2	2	40	60	100
	14UCN6GS	V	Gender Studies	Gender Studies	1	1	40	60	100
14UFT6EC4		Extra Credit - IV	Home Science	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.



## B.Sc. HOTEL MANAGEMENT & CATERING SCIENCE

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS/WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14U1LT1/LA1 LF1/LH1/LU1	I	Language - I		6	3	40	60	100
	14UCN1E1	II	English - I		6	3	40	60	100
	14UHM1A1	III	Allied I	Food and Beverage Service - I	6	4	40	60	100
	14UHM1C1	III	Core I	Food Production – I	6	4	40	60	100
	14UHM1M1P	III	Major Based Elective-I	Food and Beverage Service I - Practical	3	3	40	60	100
	14UCN1VE	IV	Value Education	Value Education	3	3	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
II	14U2LT2/LA2/ LF2/LH2/LU2	I	Language – II		6	3	40	60	100
	14UCN2E2	II	English – II		6	3	40	60	100
	14UHM2A2	III	Allied II	Front office & Accommodation Operations-I	5	4	40	60	100
	14UHM2C2P	III	Core II	Food Production I-Practical [Indian Cuisine]	6	4	40	60	100
	14UHM2M2	III	Major Based Elective -II	Food Science & Nutrition	3	3	40	60	100
	14UHM2N1	IV	Non Major Elective -I #		2	2	40	60	100
	14UCN2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14U3LT3/LA3/ LF3/LH3/LU3	I	Language - III		6	3	40	60	100
	14UCN3E3	II	English - III		6	3	40	60	100
	14UHM3A3	III	Allied III	Food and Beverage Service - II	6	4	40	60	100
	14UHM3C3	III	Core III	Food Production – II	5	4	40	60	100
	14UHM3M3P	III	Major Based Elective-III	Front office & Accommodation Operations-I- Practical	3	3	40	60	100
	14UHM3N2	IV	Non Major Elective – II#		2	2	40	60	100
	14UCN3S1	IV	Skill Based Elective - I	Soft Skills	2	2	40	60	100
	<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>
IV	14U4LT4/LA4/ LF4/LH4/LU4	I	Language - IV		6	3	40	60	100
	14UCN4E4	II	English - IV		6	3	40	60	100
	14UHM4A4	III	Allied IV	Front Office & Accommodation Operations-II	6	4	40	60	100
	14UHM4C4P	III	Core IV	Food Production II-Practical [Continental]	5	4	40	60	100
	14UHM4C5	III	Core V	Basic Computer Applications	5	4	40	60	100
	14UHM4S2P	IV	Skill Based Elective -II	Food and Beverage Service - II - Practical	2	2	40	60	100
	14UCN4EA	V	Extension Activities	NSS, NCC, etc.	-	2	-	-	-
	14UHM4EC1		Extra Credit – I	Health and Safety for Hotel Staff	-	4*	-	100*	100*
	14UHM4EC2		Extra Credit – II	Club/ Resort Management	-	4*	-	100*	100*
	<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>
V	14UHM5C6P	III	Core VI	Food Production III-Practical [International]	5	4	40	60	100
	14UHM5C7P	III	Core VII	Front Office & Accommodation Operations II- Practical	4	4	40	60	100
	14UHM5C8	III	Core VIII	Bakery & Confectionery	4	4	40	60	100
	14UHM5C9	III	Core IX	Allied Hospitality Services	4	4	40	60	100
	14UHM5C10	III	Core X	Travel and Tourism	4	4	40	60	100
	14UHM5C11	III	Core XI	Hotel Law	4	4	40	60	100
	14UHM5M4P	III	Major Based Elective-IV	Basic Computer Application – Practical	3	3	40	60	100
	14UHM5S3	IV	Skill Based Elective-III	Food Preservation	2	2	40	60	100
	14UHM5EC3		Extra Credit -III	Regional Classical Cuisine	-	4*	-	100*	100*
	<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>
VI	14UHM6C12P	III	Core XII	Bakery & Confectionery – Practical	5	4	40	60	100
	14UHM6C13	III	Core XIII	Hotel Accounts	5	4	40	60	100
	14UHM6C14	III	Core XIV	Facility Management	5	4	40	60	100
	14UHM6C15	III	Core XV	Air Travel Operations & Tour Management	4	4	40	60	100
	14UHM6C16	III	Core XVI	Hospitality Marketing	4	4	40	60	100
	14UHM6C17	III	Core XVII	Human Resource Management	4	4	40	60	100
	14UHM6S4	IV	Skill Based Elective-IV	Event Management	2	2	40	60	100
	14U CN6GS	V	Gender Studies	Gender Studies	1	1	40	60	100
	14UHM6EC4		Extra Credit -IV	Airlines Catering	-	4*	-	100*	100*
	<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

## B.Sc. MATHEMATICS

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
<b>I</b>	14 U1LT1/LA1/LF1/LH1/LU1	I	Language-I		6	3	40	60	100
	14 UCN1E1	II	English-I		6	3	40	60	100
	14 UPH1A1	III	Allied I	Properties of Matter and Sound	5	2	20	30	50
	14 UPH1A1P	III	Allied I	Properties of Matter - Practical	3	2	20	30	50
	14 UMA1C1	III	Core I	Foundations of Mathematics	4	4	40	60	100
	14 UMA1M1	III	Major Based Elective-I	Inequalities and Theory of Equations	3	3	40	60	100
	14 UCN1VE	IV	Value Education	Value Education	3	3	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
<b>II</b>	14 U1LT2/LA2/LF2/LH2/ LU2	I	Language – II		6	3	40	60	100
	14 UCN2E2	II	English – II		6	3	40	60	100
	14 UPH2A2	III	Allied II	Modern Physics	4	2	20	30	50
	14 UPH2A2P	III	Allied II	Optical, Thermal and Electricity Practical	3	2	20	30	50
	14 UMA2C2	III	Core II	Calculus	4	4	40	60	100
	14 UMA2M2	III	Major Based Elective - II	Laplace Transforms and Fourier Series	3	3	40	60	100
	14 UMA2N1	IV	Non-Major Elective - I#		2	2	40	60	100
	14 UCN2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
<b>III</b>	14 U1LT3/LA3/LF3/LH3/LU3	I	Language - III		6	3	40	60	100
	14 UCN3E3	II	English – III		6	3	40	60	100
	14 UMA 3A3:1	III	Allied III	Mathematical Statistics - I	7	4	40	60	100
	14 UMA3C3	III	Core III	Differential Equations	4	4	40	60	100
	14 UMA3M3	III	Major Based Elective-III	Analytical Geometry – 3D	3	3	40	60	100
	14 UMA3N2	IV	Non-Major Elective-II#		2	2	40	60	100
	14 UCN3S1	IV	Skill Based Elective-I	Soft Skills	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
<b>IV</b>	14 U1LT4/LA4/LF4/LH4/LU4	I	Language – IV		6	3	40	60	100
	14 UCN4E4	II	English - IV		6	3	40	60	100
	14 UMA4A4:1	III	Allied IV	Mathematical Statistics - II	8	4	40	60	100
	14 UMA4C4	III	Core IV	Sequences and Series	4	4	40	60	100
	14 UMA4C5	III	Core V	Vector Calculus	4	4	40	60	100
	14 UMA4S2P	IV	Skill Based Elective - II	SPSS Lab	2	2	40	60	100
	14 UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	2	-	-	-
	14 UMA4EC1		Extra Credit-I	Astronomy	-	4*	-	100*	100*
	14 UMA4EC2		Extra Credit-II	Formal Languages and Automata Theory	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
<b>V</b>	14 UMA5C6	III	Core VI	Algebra	5	4	40	60	100
	14 UMA5C7	III	Core VII	Real Analysis - I	4	4	40	60	100
	14 UMA5C8	III	Core VIII	Discrete Mathematics	4	4	40	60	100
	14 UMA5C9	III	Core IX	Numerical Methods	4	4	40	60	100
	14 UMA5C10	III	Core X	Statics	4	4	40	60	100
	14 UMA5C11	III	Core XI	Operations Research	4	4	40	60	100
	14 UMA5M4	III	Major Based Elective- IV	Number Theory	3	3	40	60	100
	14 UMA5S3P	IV	Skill Based Elective-III	MATLAB	2	2	40	60	100
	14 UMA5EC3		Extra Credit-III	Mathematics for Competitive Examinations	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>VI</b>	14 UMA6C12	III	Core XII	Complex Analysis	5	4	40	60	100
	14 UMA6C13	III	Core XIII	Graph Theory	5	4	40	60	100
	14 UMA6C14	III	Core XIV	Programming in C	5	4	40	60	100
	14 UMA6C15	III	Core XV	Linear Algebra	4	4	40	60	100
	14 UMA6C16	III	Core XVI	Real Analysis - II	4	4	40	60	100
	14 UMA6C17	III	Core XVII	Dynamics	4	4	40	60	100
	14 UMA6S4P	IV	Skill Based Elective-IV	C Programming Lab	2	2	40	60	100
	14 UCN6GS	V	Gender Studies	Gender Studies	1	1	40	60	100
	14 UMA6EC4		Extra Credit-IV	Coding Theory	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

## B.Sc. MICROBIOLOGY

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HOURS/ WEEKS	CREDITS	INT. MARKS	EXT. MARKS	TOTAL MARKS
I	14U1LT1/LA1/ LF1/LH1/LU1	I	Language - I		6	3	40	60	100
	14UCN1 E1	II	English- I		6	3	40	60	100
	14UMB1A1	III	Allied - I	General Biochemistry	5	2	20	30	50
	14UMB1A1P	III	Allied -I	General Biochemistry-Practical	3	2	20	30	50
	14UMB1C1	III	Core I	Basic Microbiology	4	4	40	60	100
	14UMB1M1	III	Major based Elective- I	Microbial Diversity	3	3	40	60	100
	14UCN1VE	IV	Value Education	Value Education	3	3	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
II	14U2LT2/LA2/ LF2 / LH2/LU2	I	Language- II		6	3	40	60	100
	14 UCN2 E2	II	English-II		6	3	40	60	100
	14 UMB2A2	III	Allied- II	Bacteriology	4	2	20	30	50
	14 UMB2A2P	III	Allied- II	Bacteriology- Practical	3	2	20	30	50
	14 UMB2C2	III	Core II	Cell Biology	4	4	40	60	100
	14 UMB2M2	III	Major based Elective-II	Social and preventive Medicine	3	3	40	60	100
	14 U MB2N1	IV	Non Major Elective- I#	Computer application in Biology	2	2	40	60	100
	14 UCN2ES	IV		Environmental Studies	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14U3LT3/LA3/ LF3/ LH3/LU3	I	Language-III		6	3	40	60	100
	14 UCN3 E3	II	English-III		6	3	40	60	100
	14UMB3A3	III	Allied- III	Microbial Metabolism	4	2	20	30	50
	14UMB3A3 P	III	Allied- III	Microbial Metabolism- Practical	3	2	20	30	50
	14UMB3C3	III	Core III	Introductory Virology	4	4	40	60	100
	14UMB3M3	III	Major based Elective - III	Diagnostic Microbiology	3	3	40	60	100
	14UMB3N2	IV	Non Major Elective-II#	Hematology	2	2	40	60	100
	14UCN3S1	IV	Skill Based Elective - I	Soft Skills	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
IV	14U4LT4/LA4/ LF4 / LH4/LU4	I	Language- IV		6	3	40	60	100
	14 UCN4 E4	II	English-IV		6	3	40	60	100
	14 UMB4A4	III	Allied- I V	Principles of Immunology	5	2	20	30	50
	14 UMB4A4P	III	Allied- IV	Principles of Immunology, Practical	3	2	20	30	50
	14 UMB4C4	III	Core- IV	Clinical Microbiology	4	4	40	60	100
	14 UMB4C5P	III	Core- V	Clinical Microbiology- Practical	4	4	40	60	100
	14 U MB4S2	IV	Skill Based Elective- II	Analytical Microbiology	2	2	40	60	100
	14 U CN4EA	V	Extension activities	NCC,NSS etc.	-	2	-	-	-
	14UMB 4EC1		Extra credit- I	Extremophiles	-	4*	-	100*	100*
	14UMB 4EC2		Extra credit- II	Human Anatomy & Physiology	-	4*	-	100*	100*
	<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>
V	14 UMB5C6	III	Core VI	Parasitology	5	4	40	60	100
	14 UMB5C7	III	Core VII	Pharmacology	4	4	40	60	100
	14 UMB5C8	III	Core VIII	Enzyme Technology	4	4	40	60	100
	14 UMB5C9	III	Core IX	Soil & Agricultural Microbiology	4	4	40	60	100
	14 UMB5C10	III	Core X	Environmental Microbiology	4	4	40	60	100
	14 UMB5C11P	III	Core XI	Soil & Agricultural and Environmental Microbiology- Practical	4	4	40	60	100
	14 U MB5M4	III	Major Based Elective-IV	Bio Nanotechnology	3	3	40	60	100
	14 U MB5S3	IV	Skill Based Elective- III	Basic Bioinformatics	2	2	40	60	100
14UMB 5EC3		Extra credit- III	Vermitechnology	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
VI	14 UMB6C12	III	Core XII	Food Microbiology	5	4	40	60	100
	14 UMB6C13	III	Core XIII	Fermentation Technology	5	4	40	60	100
	14 UMB6C14	III	Core XIV	Microbial Genetics	5	4	40	60	100
	14 UMB6C15	III	Core XV	Molecular Biology	4	4	40	60	100
	14 UMB6C16	III	Core XVI	Genetic Engineering	4	4	40	60	100
	14 UMB6C17P	III	Core XVII	Microbial Genetics Molecular Biology and Genetic Engineering- Practical, Core Practical	4	4	40	60	100
	14 U MB6S4	IV	Skill Based Elective-IV	IPR, Biosafety & Bioethics	2	2	40	60	100
	14UCN6GS	V	Gender Studies	Gender Studies	1	1	40	60	100
14UMB 6EC4		Extra credit -IV	Biomedical Technology	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

## B.Sc. NUTRITION AND DIETETICS

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14U1LT1/LA1/LF1/LH1/LU1	I	Language I		6	3	40	60	100
	14 UCN1E1	II	English I		6	3	40	60	100
	14 UND 1A1	III	Allied I	Fundamentals of Microbiology	5	2	20	30	50
	14 UND 1A1P	III	Allied I	Fundamentals of Microbiology-Practical	3	2	20	30	50
	14 UND 1C1	III	Core I	Food Science	4	4	40	60	100
	14 UND 1M1P	III	Major Based Elective-I	Food Science – Practical	3	3	40	60	100
	14 UCN 1VE	IV	Value Education	Value Education	3	3	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
II	14U2LT2/LA2/LF1/LH2/LU2	I	Language II		6	3	40	60	100
	14 UCN 2E2	II	English II		6	3	40	60	100
	14 UND 2A2	III	Allied II	Basic Chemistry	4	2	20	30	50
	14 UND 2A2P	III	Allied II	Basic Chemistry- Practical	3	2	20	30	50
	14 UND 2C2	III	Core II	Principles of Nutrition	4	4	40	60	100
	14 UND 2M2P	III	Major Based Elective – II	Principles of Nutrition - Practical	3	3	40	60	100
	14 UND 2N1	IV	Non-Major Elective – I #		2	2	40	60	100
14 UCN 2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100	
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14U3LT3/LA3/LF3/LH3/LU3	I	Language III		6	3	40	60	100
	14 UCN 3E3	II	English III		6	3	40	60	100
	14 UND 3A3	III	Allied III	Nutritional Biochemistry	4	2	20	30	50
	14 UND 3A3P	III	Allied III	Nutritional Biochemistry - Practical	3	2	20	30	50
	14 UND 3C3	III	Core III	Nutrition through Life Cycle	4	4	40	60	100
	14 UND 3M3P	III	Major Based Elective-III	Nutrition through Life Cycle - Practical	3	3	40	60	100
	14 UND 3N2	IV	Non-Major Elective – II #		2	2	40	60	100
14 UCN 3S1	IV	Skill Based Elective – I	Soft Skills	2	2	40	60	100	
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
IV	14U4LT4/LA4/LF4/LH4/LU4	I	Language IV		6	3	40	60	100
	14 UCN 4E4	II	English IV		6	3	40	60	100
	14 UND 4A4	III	Allied IV	Human Physiology	5	2	20	30	50
	14 UND 4A4P	III	Allied IV	Human Physiology - Practical	3	2	20	30	50
	14 UND 4C4	III	Core IV	Diet Therapy -I	4	4	40	60	100
	14 UND 4C5P	III	Core V	Diet Therapy - I - Practical	4	4	40	60	100
	14 UND 4S2	IV	Skill Based Elective - II	Fundamentals of Textiles and Clothing	2	2	40	60	100
	14 UCN 4EA	V	Extension Activities	NCC, NSS, etc.	-	2	-	-	-
14 UND 4EC1		Extra Credit – I	Hygiene and Sanitation	-	4*	-	100*	100*	
14 UND 4EC2		Extra Credit – II	Kitchen Planning and Equipment	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
V	14 UND 5C6	III	Core VI	Diet Therapy -II	5	4	40	60	100
	14 UND 5C7P	III	Core VII	Diet Therapy - II - Practical	4	4	40	60	100
	14 UND 5C8	III	Core VIII	Food Standards and Quality Control	4	4	40	60	100
	14 UND 5C9	III	Core IX	Quantity Food Production and Service	4	4	40	60	100
	14 UND 5C10	III	Core X	Community Nutrition	4	4	40	60	100
	14 UND 5C11	III	Core XI	Food Preservation	4	4	40	60	100
	14 UND 5M4P	III	Major Based Elective- IV	Food Preservation - Practical	3	3	40	60	100
	14 UND 5S3	IV	Skill Based Elective-III	Basics in Computer	2	2	40	60	100
14 UND 5EC3		Extra Credit – III	Entrepreneurship Management	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
VI	14 UND 6C12	III	Core XII	Food Service Management	5	4	40	60	100
	14 UND 6C13P	III	Core XIII	Food Service Management- Practical	5	4	40	60	100
	14 UND 6C14	III	Core XIV	Human Development	5	4	40	60	100
	14 UND 6C15	III	Core XV	Community Development	4	4	40	60	100
	14 UND 6C16	III	Core XVI	Basics in Bakery	4	4	40	60	100
	14 UND 6C17P	III	Core XVII	Basics in Bakery- Practical	4	4	40	60	100
	14 UND 6S4	IV	Skill Based Elective-IV	Interior Design	2	2	40	60	100
	14 UCN 6GS	V	Gender Studies	Gender Studies	1	1	40	60	100
14 UND 6EC4		Extra Credit - IV	Food Packaging and Marketing	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

## B.Sc. PHYSICS

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
<b>I</b>	14U1LT1/LA1/LF1/LH1/LU1	I	Language-I		6	3	40	60	100
	14UCN1E1	II	English-I		6	3	40	60	100
	14UCH1A1:1	III	Allied I	Inorganic, Organic and Physical Chemistry – I	5	2	20	30	50
	14UCH1A1P	III	Allied I	Volumetric Analysis - Practical	3	2	20	30	50
	14UPH1C1	III	Core I	Properties of Matter	4	4	40	60	100
	14UPH1M1P	III	Major Based Elective –I	Properties of Matter- Practical	3	3	40	60	100
	14UCNIVE	IV	Value Education	Value Education	3	3	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
<b>II</b>	14U2LT2 /LA2 /LF2/LH2/LU2	I	Language – II		6	3	40	60	100
	14UCN2E2	II	English – II		6	3	40	60	100
	14UCH2A2:1	III	Allied II	Inorganic, Organic and Physical Chemistry – II	4	2	20	30	50
	14UCH2A2P	III	Allied II	Organic Analysis - Practical	3	2	20	30	50
	14UPH2C2	III	Core II	Mechanics	4	4	40	60	100
	14UPH2M2P	III	Major Based Elective-II	Heat and Optical- Practical	3	3	40	60	100
	14UPH2N1	IV	Non Major Elective – I #		2	2	40	60	100
14UCN2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100	
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
<b>III</b>	14U3LT3 /LA3 /LF3/LH3/LU3	I	Language-III		6	3	40	60	100
	14UCN3E3	II	English-III		6	3	40	60	100
	14UMA3A3:2	III	Allied III	Classical Algebra	7	4	40	60	100
	14UPH3C3	III	Core III	Acoustics	4	4	40	60	100
	14UPH3M3P	III	Major Based Elective-III	Thermal and Electricity - Practical	3	3	40	60	100
	14UPH3N2	IV	Non Major Elective – II #		2	2	40	60	100
	14UCN3S1	IV	Skill Based Elective-I	Soft Skills	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
<b>IV</b>	14U4LT4 /LA4 /LF4/LH4/LU4	I	Language-IV		6	3	40	60	100
	14UCN4E4	II	English-IV		6	3	40	60	100
	14UMA4A4:2	III	Allied IV	Calculus and Trigonometry	8	4	40	60	100
	14UPH4C4	III	Core IV	Thermal and Statistical Physics	4	4	40	60	100
	14UPH4C5P	III	Core V	Measurement and Calibration-Practical	4	4	40	60	100
	14UPH4S2	IV	Skill Based Elective-II	Nano science	2	2	40	60	100
	14UCN4EA	V	Extension	NCC, NSS, etc.	-	2	-	-	-
	14UPH4EC1		Extra Credit – I	History of Science	-	4*	-	100*	100*
14UPH4EC2		Extra Credit – II	Astrophysics	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
<b>V</b>	14UPH5C6	III	Core VI	Electricity, Magnetism & Electro Magnetism	5	4	40	60	100
	14UPH5C7	III	Core VII	Atomic Physics	4	4	40	60	100
	14UPH5C8	III	Core VIII	Optics	4	4	40	60	100
	14UPH5C9	III	Core IX	Semiconductor Electronics	4	4	40	60	100
	14UPH5C10	III	Core X	Solar Energy	4	4	40	60	100
	14UPH5C11P	III	Core XI	Optics and Numerical Programming-Practical	4	4	40	60	100
	14UPH5M4P	III	Major Based Elective –IV	Electronics and Microprocessor - Practical	3	3	40	60	100
	14UPH5S3	IV	Skill Based Elective – III	Scientific Programming in C	2	2	40	60	100
14UPH5EC3		Extra Credit - III	Mobile Telephony	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>VI</b>	14UPH6C12	III	Core XII	Wave Mechanics and Relativity	5	4	40	60	100
	14UPH6C13	III	Core XIII	Digital Electronics & Microprocessor	5	4	40	60	100
	14UPH6C14	III	Core XIV	Nuclear Physics	5	4	40	60	100
	14UPH6C15	III	Core XV	Laser and Spectroscopy	4	4	40	60	100
	14UPH6C16P	III	Core XVI	General Physics and Scientific Programming -Practical	4	4	40	60	100
	14UPH6C17P	III	Core XVII	Advanced Electronics and Microprocessor - Practical	4	4	40	60	100
	14UPH6S4	IV	Skill Based Elective-IV	Advanced Scientific Programming in C	2	2	40	60	100
	14UCN6GS	V	Gender Studies	Gender Studies	1	1	40	60	100
14UPH6EC4		Extra Credit – IV	Physics for Competitive Examination	-	4*	-	100*	100*	
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

## B.Sc. ZOOLOGY

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14 U1LT1/LA1/LF1/LH1/LU1	I	Language - I		6	3	40	60	100
	14 UCN1E1	II	English -I		6	3	40	60	100
	14 UCH1A1:2	III	Allied I	Inorganic and Organic Chemistry	5	2	20	30	50
	14 UCH 1A1P	III	Allied I	Volumetric Analysis - Practical	3	2	20	30	50
	14 UZO1C1	III	Core I	Biology of Invertebrates	4	4	40	60	100
	14 UZO1M1 P	III	Major Based Elective-I	Biology of Invertebrates - Practical	3	3	40	60	100
	14 UCN1VE	IV	Value Education	Value Education	3	3	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>20</b>	<b>240</b>	<b>360</b>	<b>600</b>
II	14 U2LT2/LA2/LF2/LH2/LU2	I	Language - II		6	3	40	60	100
	14 UCN2E2	II	English- II		6	3	40	60	100
	14 UCH2A2: 2	III	Allied II	Bio-organic chemistry	4	2	20	30	50
	14 UCH2A2P	III	Allied II	Organic Analysis - Practical	3	2	20	30	50
	14 UZO 2C2	III	Core II	Biology of Chordates	4	4	40	60	100
	14 UZO 2M2P	III	Major Based Elective-II	Biology of Chordates - Practical	3	3	40	60	100
	14 UZO 2N1	IV	Non-Major Elective-III		2	2	40	60	100
	14 UCN 2ES	IV	Environmental Studies	Environmental Studies	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14 U3LT3/LA3/LF3/LH3/LU3	I	Language - III		6	3	40	60	100
	14 UCN3E3	II	English -III		6	3	40	60	100
	14 UBO 3A3	III	Allied III	Morphology, Taxonomy, Anatomy and Embryology	4	2	20	30	50
	14 UBO 3A3P	III	Allied III	Morphology, Taxonomy, Anatomy and Embryology - Practical	3	2	20	30	50
	14 UZO 3C3	III	Core III	Cell and Molecular Biology	4	4	40	60	100
	14 UZO 3M3P	III	Major Based Elective-III	Cell and Molecular Biology - Practical	3	3	40	60	100
	14 UZO 3N2	IV	Non-Major Elective-II#		2	2	40	60	100
	14 UCN 3S1	IV	Skill Based Elective-I	Soft Skills	2	2	40	60	100
<b>TOTAL</b>					<b>30</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>
IV	14 U4LT4/LA4/LF4/LH4/LU4	I	Language - IV		6	3	40	60	100
	14 UCN4E4	II	English - IV		6	3	40	60	100
	14 UBO 4A4	III	Allied IV	Thallophytes, Bryophytes, Pteridophytes, Gymnosperms and Plant Physiology	5	2	20	30	50
	14 UBO 4A4P	III	Allied IV	Thallophytes, Bryophytes, Pteridophytes, Gymnosperms and Plant Physiology-Practical	3	2	20	30	50
	14 UZO 4C4	III	Core IV	Animal Physiology	4	4	40	60	100
	14 UZO 4C5P	III	Core V	Animal Physiology -Practical	4	4	40	60	100
	14 UZO 4S2	IV	Skill Based Elective-II	Aquaculture	2	2	40	60	100
	14 UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	2	-	-	-
	14 UZO 4EC1		Extra Credit-I	Natural Resources Management	-	4*	-	100*	100*
	14 UZO 4EC2		Extra Credit-II	Wild Life Biology	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>22</b>	<b>240</b>	<b>360</b>	<b>600</b>
V	14 UZO 5C6	III	Core VI	Biostatistics, Computer Application and Bioinformatics	5	4	40	60	100
	14 UZO 5C7	III	Core VII	Genetics	4	4	40	60	100
	14 UZO 5C8	III	Core VIII	Microbiology	4	4	40	60	100
	14 UZO5C9	III	Core IX	Developmental Biology	4	4	40	60	100
	14 UZO 5C10	III	Core X	Biotechnology	4	4	40	60	100
	14 UZO 5C11P	III	Core XI	Biostatistics, Bioinformatics & Computer Application, Genetics Zoology , Microbiology, Developmental Biology Biotechnology-Practical	4	4	40	60	100
	14 UZO 5M4	III	Major Based Elective-IV	Poultry Science	3	3	40	60	100
	14 UZO 5S3	IV	Skill Based Elective-III	Seniculture	2	2	40	60	100
	14 UZO 5EC3		Extra Credit-III	Water Pollution Management	-	4*	-	100*	100*
	<b>TOTAL</b>					<b>30</b>	<b>29</b>	<b>320</b>	<b>480</b>
VI	14 UZO 6C12	III	Core XII	Biochemistry and Biophysics	5	4	40	60	100
	14 UZO 6C13	III	Core XIII	Immunology	5	4	40	60	100
	14 UZO 6C14	III	Core XIV	Economic Entomology	5	4	40	60	100
	14 UZO 6C15	III	Core XV	Evolution	4	4	40	60	100
	14 UZO 6C16	III	Core XVI	Environmental Biology	4	4	40	60	100
	14 UZO 6C17P	III	Core XVII	Biochemistry and Biophysics, Immunology, Economic, Entomology, Evolution, Environmental Biology - Practical	4	4	40	60	100
	14 UZO 6S4	IV	Skill Based Elective-IV	Dairy Farming	2	2	40	60	100
	14 UCN6GS	V	Gender Studies	Gender Studies	1	1	40	60	100
	14 UZO 6EC4		Extra Credit-IV	Comprehensive Examinations in Zoology	-	4*	-	100*	100*
<b>TOTAL</b>					<b>30</b>	<b>27</b>	<b>320</b>	<b>480</b>	<b>800</b>
<b>GRAND TOTAL</b>					<b>180</b>	<b>140</b>	<b>1680</b>	<b>2520</b>	<b>4200</b>

\* Not Considered for Grand Total and CGPA

# Non Major Electives Courses: Students have to choose one of the courses offered by other departments from the list given in Page Number 22 & 23 during semester II and III respectively.

**COURSE STRUCTURE FOR PG PROGRAMMES  
(Under CBCS w.e.f 2014 – 2015)**

**M.A. ARABIC**

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS/WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PAR1C1	CORE I	Classical Prose I	6	5	40	60	100
	14PAR1C2	CORE II	History of Islamic Legislation	6	5	40	60	100
	14PAR1C3	CORE III	Thareekhul Adab	6	5	40	60	100
	14PAR1C4	CORE IV	Aqeeda	6	5	40	60	100
	14PAR1CE1	CORE BASED ELECTIVE-I#		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PAR2C5	CORE V	Classical Poetry	6	5	40	60	100
	14PAR2C6	CORE VI	Applied Grammar	6	5	40	60	100
	14PAR2C7	CORE VII	Islamic Philosophy	6	5	40	60	100
	14PAR2C8	CORE VIII	History of Arabic Literature I	6	5	40	60	100
	14PAR2CE2	CORE BASED ELECTIVE-II#		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
III	14PAR3C9	CORE IX	Modern Prose	6	5	40	60	100
	14PAR3C10	CORE X	Novel & Drama	6	5	40	60	100
	14PAR3C11	CORE XI	History of Arabic Literature II	6	5	40	60	100
	14PAR3C12	CORE XII	Autobiography	6	5	40	60	100
	14PAR3CE3	CORE BASED ELECTIVE-III#		6	5	40	60	100
	14PAR3EC1	EXTRA CREDIT-I	Translation Skills	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
IV	14PAR4C13	CORE XIII	Modern Poetry	6	5	40	60	100
	14PAR4C14	CORE XIV	Translation & Communication Skills in Arabic	6	5	40	60	100
	14PAR4C15	CORE XV	Contemporary Arab World	6	5	40	60	100
	14PAR4CE4	CORE BASED ELECTIVE – IV #		6	5	40	60	100
	14PAR4PW	PROJECT WORK		6	5	-	100	100
	14PAR4EC2	EXTRA CREDIT-II	Quran & Hadeeth	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>160</b>	<b>340</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>120</b>	<b>100</b>	<b>760</b>	<b>1240</b>	<b>2000</b>

\* Not considered for Grand Total and CGPA

# Core Based Electives

SEMESTER	CORE BASED ELECTIVE
I	Classical Prose II
	Literary Criticism
II	Essays in Arabic & Type Writing in Arabic
	Shiru's Sahaba
III	Competitive Skills in Arabic
	Cultural History of Islam
IV	Computer Applications in Arabic
	The Ottoman Empire

**ADDITIONAL COURSES FOR GETTING AALIM SANAD**

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PAS 1C13	III	Core VII A	Thafseer II	6	4	40	60	100
	14PAS 1C14	III	Core VII B	Usool ul Hadeeth	6	4	40	60	100
<b>TOTAL</b>					<b>12</b>	<b>8</b>	<b>80</b>	<b>120</b>	<b>200</b>
II	14PAS 2C15	III	Core VIII A	Meerath	6	4	40	60	100
	14PAS 2C16	III	Core VIII B	Usool ul Fiqh	6	4	40	60	100
<b>TOTAL</b>					<b>12</b>	<b>8</b>	<b>80</b>	<b>120</b>	<b>200</b>
III	14PAS 3C17	III	Core IX A	Usool ut Thafseer	6	4	40	60	100
	14PAS 3C18	III	Core IX B	Fiqh IV	6	4	40	60	100
<b>Total</b>					<b>12</b>	<b>8</b>	<b>80</b>	<b>120</b>	<b>200</b>
IV	14PAS 4C19	III	Core X A	Hadeeth IV	6	4	40	60	100
	14PAS 4C20	III	Core X B	Thafseer III	6	4	40	60	100
<b>TOTAL</b>					<b>12</b>	<b>8</b>	<b>80</b>	<b>120</b>	<b>200</b>
<b>GRAND TOTAL</b>					<b>48</b>	<b>32</b>	<b>320</b>	<b>480</b>	<b>800</b>



## M.A. ENGLISH

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PEN1C1	CORE I	English Literature from 1400 - 1660	6	5	40	60	100
	14PEN1C2	CORE II	Restoration and 18 <sup>th</sup> Century English Literature	6	5	40	60	100
	14PEN1C3	CORE III	Nineteenth Century English Literature	6	5	40	60	100
	14PEN1C4	CORE IV	American Literature	6	5	40	60	100
	14PEN1CE1	CORE BASED ELECTIVE – I#		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PEN2C5	CORE V	20 <sup>th</sup> Century Literature	6	5	40	60	100
	14PEN2C6	CORE VI	History of English Language and Structure of Modern English	6	5	40	60	100
	14PEN2C7	CORE VII	Shakespeare	6	5	40	60	100
	14PEN2C8	CORE VIII	Indian Writing in English	6	5	40	60	100
	14PEN2CE2	CORE BASED ELECTIVE – II#		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
III	14PEN3C9	CORE IX	Theory of Comparative Literature and Classics in Translation	6	5	40	60	100
	14PEN3C10	CORE X	Post Colonial Literatures	6	5	40	60	100
	14PEN3C11	CORE XI	Women's Writing in English	6	5	40	60	100
	14PEN3C12	CORE XII	English Language Teaching	6	5	40	60	100
	14PEN3CE3	CORE BASED ELECTIVE- III#		6	5	40	60	100
	14PEN3EC1	EXTRA CREDIT - I	Human Resource Literature in English	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
IV	14PEN4C13	CORE XIII	Rhetoric and Research Methodology	6	5	40	60	100
	14PEN4C14	CORE XIV	Literary Criticism	6	5	40	60	100
	14PEN4C15	CORE- XV	Post Modern Literature	6	5	40	60	100
	14PEN4CE4	CORE BASED ELECTIVE IV #		6	5	40	60	100
	14PEN4PW	PROJECT WORK		6	5	-	100	100
	14PEN4EC2	EXTRA CREDIT - II	Science Fiction	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>160</b>	<b>340</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>120</b>	<b>100</b>	<b>760</b>	<b>1240</b>	<b>2000</b>

\* Not Considered for Grand Total and CGPA

# Core Based Electives

SEMESTER	CORE BASED ELECTIVE
I	Media Studies
	Canadian Literature
II	Advanced skills for Spoken Communication
	Advanced skills for Written Communication
III	English Literature for Competitive Examinations
	Children's Literature
IV	Personality Development
	Mass Communication

## M.A. TAMIL

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS/WEEK	CREDIT	CIA MARK	SE MARK	TOTAL MARK
<b>I</b>	14PTA1C1	CORE I	தொல்காப்பியம் எழுத்ததிகாரம்	6	5	40	60	100
	14PTA1C2	CORE II	இக்கால இலக்கியம்	6	5	40	60	100
	14PTA1C3	CORE III	இடைக்கால இலக்கியம்	6	5	40	60	100
	14PTA1C4	CORE IV	இலக்கியத் திறனாய்வியல்	6	5	40	60	100
	14PTA1CE1	CORE BASED ELECTIVE I #		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
<b>II</b>	14PTA2C5	CORE V	தொல்காப்பியம் சொல்லதிகாரம்	6	5	40	60	100
	14PTA2C6	CORE VI	காப்பியங்கள்	6	5	40	60	100
	14PTA2C7	CORE VII	ஒப்பிலக்கியம்	6	5	40	60	100
	14PTA2C8	CORE VIII	இஸ்லாமியத் தமிழிலக்கிய வகைகள்	6	5	40	60	100
	14PTA2CE2	CORE BASED ELECTIVE II #		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
<b>III</b>	14PTA3C9	CORE IX	தொல்காப்பியம் - பொருளதிகாரம்	6	5	40	60	100
	14PTA3C10	CORE X	பண்டைய இலக்கியம்	6	5	40	60	100
	14PTA3C11	CORE XI	மக்கள் தகவல் தொடர்பியல்	6	5	40	60	100
	14PTA3C12	CORE XII	படைப்புத்திறன்	6	5	40	60	100
	14PTA3CE3	CORE BASED ELECTIVE III #		6	5	40	60	100
	14PTA3EC1	EXTRA CREDIT-I	NET - தேர்வுத் தாள் - I	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
<b>IV</b>	14PTA4C13	CORE XIII	உமறுப்புலவர்	6	5	40	60	100
	14PTA4C14	CORE XIV	ஒப்பீட்டு நோக்கில் உலகச்செம்மொழிகள்	6	5	40	60	100
	14PTA4C15	CORE XV	தமிழ் இலக்கண வரலாறு	6	5	40	60	100
	14PTA4CE4	CORE BASED ELECTIVE IV #		6	5	40	60	100
	14PTA4PW	PROJECT WORK		6	5	-	100	100
	14PTA4EC2	EXTRA CREDIT-II	பயன்முறை இலக்கணம்	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>160</b>	<b>340</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>120</b>	<b>100</b>	<b>760</b>	<b>1240</b>	<b>2000</b>

\* Not Considered for Grand Total and CGPA

# Core Based Electives

SEMESTER	CORE BASED ELECTIVE
I	மானுடவியல்
	புலப்பாட்டுக்கலை
II	தமிழர் நாகரிகமும் பண்பாடும்
	கல்வெட்டியல்
III	போட்டித்தேர்வுத்தமிழ்
	நாட்டுப்புறவியல்
IV	நீதி இலக்கியம்
	மொழிபெயர்ப்புக் கலை

## M.A. ECONOMICS

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PEC1C1	CORE I	Advanced Micro Economic Theory - I	6	5	40	60	100
	14PEC1C2	CORE II	Macro & Monetary Economics - I	6	5	40	60	100
	14PEC1C3	CORE III	Mathematical Applications in Economic Analysis	6	5	40	60	100
	14PEC1C4	CORE IV	Indian Economic Development	6	5	40	60	100
	14PEC1CE1	CORE BASED ELECTIVE I #		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PEC2C5	CORE V	Advanced Micro Economic Theory - II	6	5	40	60	100
	14PEC2C6	CORE VI	Macro & Monetary Economics - II	6	5	40	60	100
	14PEC2C7	CORE VII	Statistical Methods for Economics	6	5	40	60	100
	14PEC2C8	CORE VIII	Evolution of Economic Thought	6	5	40	60	100
	14PEC2CE2	CORE BASED ELECTIVE II #		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
III	14PEC3C9	CORE IX	Research Methods in Economics	6	5	40	60	100
	14PEC3C10	CORE X	Managerial Economics	6	5	40	60	100
	14PEC3C11	CORE XI	Economics of Growth & Development	6	5	40	60	100
	14PEC3C12	CORE XII	Computer Applications in Economics – Theory	3	3	20	30	50
	14PEC3C12P	CORE XII	Computer Applications in Economics – Practical	3	2	20	30	50
	14PEC3CE3	CORE BASED ELECTIVE III #		6	5	40	60	100
	14PEC3EC1	EXTRA CREDIT-I	Agricultural Economics	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
IV	14PEC4C13	CORE XIII	International Economics	6	5	40	60	100
	14PEC4C14	CORE XIV	Public Finance	6	5	40	60	100
	14PEC4C15	CORE XV	Economic Systems	6	5	40	60	100
	14PEC4CE4	CORE BASED ELECTIVE IV #		6	5	40	60	100
	14PEC4PW	PROJECT WORK		6	5	-	100	100
	14PEC4EC2	EXTRA CREDIT - II	Labour Economics	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>160</b>	<b>340</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>120</b>	<b>100</b>	<b>760</b>	<b>1240</b>	<b>2000</b>

\* Not Considered for Grand Total and CGPA

# Core Based Electives

SEMESTER	CORE BASED ELECTIVE
I	Environmental Economics
	Human Resource Management
II	Industrial Economics
	Export Management
III	Econometrics
	Entrepreneurial Development
IV	Financial Economics
	Theory & Practices of Interest free Banking and Finance

## M.A. HISTORY

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PHS1C1	CORE -I	Cultural History of India upto 1206 C.E.	6	5	40	60	100
	14PHS1C2	CORE -II	History of Europe from 1453 C.E.to 1815 C.E.	6	5	40	60	100
	14PHS1C3	CORE -III	Islamic History and Culture upto 1258 C.E.	6	5	40	60	100
	14PHS1C4	CORE -IV	History of USA from 1865 C.E. to 1992 C.E.	6	5	40	60	100
	14PHS1CE1	CORE BASED ELECTIVE -I#		6	5	40	60	100
	<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>
II	14PHS2C5	CORE -V	Medieval Indian Culture From 1206 C.E. to 1757 C.E.	6	5	40	60	100
	14PHS2C6	CORE -VI	Social and Cultural History of Tamil Nadu upto 1336 C.E.	6	5	40	60	100
	14PHS2C7	CORE -VII	History of Europe from 1815 C.E. to 1945 C.E.	6	5	40	60	100
	14PHS2C8	CORE -VIII	Foreign Policy of India	6	5	40	60	100
	14PHS2CE2	CORE BASED ELECTIVE -II#		6	5	40	60	100
	<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>
III	14PHS3C9	CORE-IX	History of Modern India from 1757 C.E. to 1947C.E.	6	5	40	60	100
	14PHS3C10	CORE -X	Social and Cultural History of Tamil Nadu from 1336 C.E. to 1987 C.E.	6	5	40	60	100
	14PHS3C11	CORE -XI	Indian Administration	6	5	40	60	100
	14PHS3C12	CORE-XII	History of World Civilization (Excluding India)	6	5	40	60	100
	14PHS3CE3	CORE BASED ELECTIVE- III#		6	5	40	60	100
	14PHS3EC1	EXTRA CREDIT-I	Historical Monuments in Tiruchirappalli	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
IV	14PHS4C13	CORE -XIII	Historiography	6	5	40	60	100
	14PHS4C14	CORE -XIV	India after Independence	6	5	40	60	100
	14PHS4C15	CORE-XV	History of Far East	6	5	40	60	100
	14PHS4CE4	CORE BASED ELECTIVE-IV #		6	5	40	60	100
	14PHS4PW	PROJECT WORK		6	5	-	100	100
	14PHS4EC2	EXTRA CREDIT-II	Reasoning and Mental Ability	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>160</b>	<b>340</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>120</b>	<b>100</b>	<b>760</b>	<b>1240</b>	<b>2000</b>

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# Core Based Electives

SEMESTER	CORE BASED ELECTIVE
I	Intellectual History of India
	History of Science and Technology
II	Indian Constitution
	Modern Political Thoughts
III	Human Rights
	Intellectuals of Tamil Nadu
IV	General Knowledge for Competitive Examinations
	Methods of Teaching History

## M.Com.

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PCO1C1	CORE I	Corporate Law	6	5	40	60	100
	14PCO1C2	CORE II	Managerial Economics	6	5	40	60	100
	14PCO1C3	CORE III	Strategic Cost Management	6	5	40	60	100
	14PCO1C4	CORE IV	Business Taxation	6	5	40	60	100
	14PCO1CE1	CORE BASED ELECTIVE- I #		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PCO2C5	CORE V	Quantitative Techniques	6	5	40	60	100
	14PCO2C6	CORE VI	International Financial Management	6	5	40	60	100
	14PCO2C7	CORE VII	Strategic Management	6	5	40	60	100
	14PCO2C8	CORE VIII	Enterprise Resource Management - Theory	3	3	20	30	50
	14PCO2C8P	CORE VIII	Enterprise Resource Management - Practical	3	2	20	30	50
	14PCO2CE2	CORE BASED ELECTIVE- II #		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
III	14PCO3C9	CORE IX	Research Methods	6	5	40	60	100
	14PCO3C10	CORE X	Investment and Portfolio Management	6	5	40	60	100
	14PCO3C11	CORE XI	Human Resource Management	6	5	40	60	100
	14PCO3C12	CORE XII	Advanced Corporate Accounting	6	5	40	60	100
	14PCO3CE3	CORE BASED ELECTIVE- III #		6	5	40	60	100
	14PCO3EC1	EXTRA CREDIT I	Co-Operation in Abroad	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
IV	14PCO4C13	CORE XIII	Labour Laws	6	5	40	60	100
	14PCO4C14	CORE XIV	International Marketing	6	5	40	60	100
	14PCO4C15	CORE XV	Industrial Relations	6	5	40	60	100
	14PCO4CE4	CORE BASED ELECTIVE- IV #		6	5	40	60	100
	14PCO4PW	Project Work		6	5	-	100	100
	14PCO4EC2	EXTRA CREDIT II	Organisation Development	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>160</b>	<b>340</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>120</b>	<b>100</b>	<b>760</b>	<b>1240</b>	<b>2000</b>

\* Not Considered for Grand Total and CGPA

# Core Based Electives

SEMESTER	CORE BASED ELECTIVE
I	Retail Marketing
	Bank Management
II	Customer Relationship Management
	Consumer Behaviour
III	Organisational Behaviour
	Supply Chain Management
IV	Export Marketing
	International Business Environment

## M.Sc. BOTANY

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PBO1C1	CORE I	Phycology, Mycology and Bryophytes	6	5	40	60	100
	14PBO1C2	CORE II	Pteridophytes and Gymnosperms	6	5	40	60	100
	14PBO1C3	CORE III	Genetics and Evolution	6	5	40	60	100
	14PBO1C4P	CORE IV	Phycology, Mycology, Bryophytes, Pteridophytes, Gymnosperms, Genetics & Evolution - Practical	6	5	40	60	100
	14PBO1CE1	CORE BASED ELECTIVE I #		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PBO2C5	CORE V	Anatomy and Embryology of Angiosperms	6	5	40	60	100
	14PBO2C6	CORE VI	Plant Physiology	6	5	40	60	100
	14PBO2C7	CORE VII	Biochemistry and Biophysics	6	5	40	60	100
	14PBO2C8P	CORE VIII	Anatomy, Embryology, Plant Physiology, Biochemistry & Biophysics - Practical	6	5	40	60	100
	14PBO2CE2	CORE BASED ELECTIVE II#		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
III	14PBO3C9	CORE IX	Plant Molecular Biology	6	5	40	60	100
	14PBO3C10	CORE X	Biotechnology	6	5	40	60	100
	14PBO3C11	CORE XI	Taxonomy of Angiosperms	6	5	40	60	100
	14PBO3C12P	CORE XII	Plant Molecular Biology, Biotechnology and Taxonomy - Practical	6	5	40	60	100
	14PBO3CE3	CORE BASED ELECTIVE III#		6	5	40	60	100
14PBO3EC1	EXTRA CREDIT-I	Horticulture	-	5*	-	100*	100*	
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
IV	14PBO 4C13	CORE XIII	Microbiology and Immunology	6	5	40	60	100
	14PBO 4C14	CORE XIV	Environmental Science and Conservation Biology	6	5	40	60	100
	14PBO 4C15P	CORE XV	Microbiology, Immunology, Environmental Science and Conservation Biology -Practical	6	5	40	60	100
	14PBO 4CE4	CORE BASED ELECTIVE IV#		6	5	40	60	100
	14PBO 4PW	Project Work		6	5	-	100	100
	14PBO 4EC2	EXTRA CREDIT-II	Botanical Pharmacy	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>160</b>	<b>340</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>120</b>	<b>100</b>	<b>760</b>	<b>1240</b>	<b>2000</b>

\* Not Considered for Grand Total and CGPA

# Core Based Electives

SEMESTER	CORE BASED ELECTIVES
I	Bioinformatics and Biostatistics
	Remote Sensing and Vegetation Analysis
II	Bioinstrumentation and Research Methodology
	Organic Farming
III	Natural Products
	Landscape Designing
IV	Mushroom Cultivation Technology
	Plant Tissue Culture

## M.Sc. BIOTECHNOLOGY

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PBT1C1	CORE I	Advanced Biochemistry	6	5	40	60	100
	14PBT1C2	CORE II	Cell and Molecular Biology	6	5	40	60	100
	14PBT1C3	CORE III	Applied Microbiology	6	5	40	60	100
	14PBT1C4P	CORE IV	Advanced Biochemistry, Cell and Molecular Biology and Applied Microbiology - Practical	6	5	40	60	100
	14PBT1CE1	CORE BASED ELECTIVE - I#		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PBT2C5	CORE V	Immunology and Immunotechnology	6	5	40	60	100
	14PBT2C6	CORE VI	Recombinant DNA Technology	6	5	40	60	100
	14PBT2C7	CORE VII	Animal Biotechnology	6	5	40	60	100
	14PBT2C8P	CORE VIII	Immunology and Immunotechnology, Recombinant DNA Technology and Animal Biotechnology - Practical	6	5	40	60	100
	14PBT2CE2	CORE BASED ELECTIVE - II#		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
III	14PBT3C9	CORE IX	Bioprocess Technology	6	5	40	60	100
	14PBT3C10	CORE X	Plant Biotechnology	6	5	40	60	100
	14PBT3C11	CORE XI	Bioinformatics and Biostatistics	6	5	40	60	100
	14PBT3C12P	CORE XII	Bioprocess Technology, Plant Biotechnology and Bioinformatics and Biostatistics - Practical	6	5	40	60	100
	14PBT3CE3	CORE BASED ELECTIVE - III#		6	5	40	60	100
14PBT3EC1	EXTRA CREDIT - I	Bioinstrumentation	-	5*	-	100*	100*	
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
IV	14PBT4C13	CORE XIII	Environmental Biotechnology	6	5	40	60	100
	14PBT4C14	CORE XIV	Pharmacognacy and Pharmacology	6	5	40	60	100
	14PBT4C15	CORE XV	Green Technology	6	5	40	60	100
	14PBT4CE4	CORE BASED ELECTIVE - IV#		6	5	40	60	100
	14PBT4PW	PROJECT WORK		6	5	-	100	100
14PBT4EC2	EXTRA CREDIT -II	Research Methodology, IPR and Biosafety	-	5*	-	100*	100*	
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>160</b>	<b>340</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>120</b>	<b>100</b>	<b>760</b>	<b>1240</b>	<b>2000</b>

\* Not Considered for Grand Total and CGPA

# Core Based Electives

SEMESTER	CORE BASED ELECTIVE
I	Molecular Genetics
	Molecular Modelling and Drug Design
II	Enzymology and Enzyme Technology
	Analytical Techniques in Biotechnology
III	Nanobiotechnology
	Genetic Toxicology
IV	Mushroom Cultivation
	Stem Cell Biology

**M.Sc., BIOTECHNOLOGY**  
**Lateral entry for BS (IV Year Programme) Biotechnology Graduates**

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
III	11PBT3411	CORE XI	Bioprocess Technology	6	5	25	75	100
	11PBT3412	CORE XII	Animal Biotechnology	6	5	25	75	100
	11PBT3413P	CORE XIII	Bioprocess Technology – Animal & Plant Biotechnology – Practical	6	5	40	60	100
	11PBT3501	CORE BASED ELECTIVE -I #	Plant Biotechnology	6	4	25	75	100
	11PBT3502	CORE BASED ELECTIVE -II #	IPR, Biosafety and Bioethics	6	4	25	75	100
<b>TOTAL</b>				<b>30</b>	<b>23</b>	<b>140</b>	<b>360</b>	<b>500</b>
IV	11PBT4503	CORE BASED ELECTIVE -III #	Research Methodology & Biotechnology Management	6	4	25	75	100
	11PBT48	PROJECT WORK		24	19	100	300	400
<b>TOTAL</b>				<b>30</b>	<b>23</b>	<b>125</b>	<b>375</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>60</b>	<b>46</b>	<b>265</b>	<b>735</b>	<b>1000</b>



## M.Sc. CHEMISTRY

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PCH1C1	CORE-I	Structure bonding, Acid-base and Nuclear reactions	6	5	40	60	100
	14PCH1C2	CORE-II	Reaction Mechanism, Stereochemistry and Natural product	6	5	40	60	100
	14PCH1C3P	CORE-III	Inorganic Estimations and Complex Preparations- Practical	6	5	40	60	100
	14PCH1C4P	CORE-IV	Organic Estimations and Chromatography-Practical	6	5	40	60	100
	14PCH1CE1	CORE BASED ELECTIVE-I #		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PCH2C5	CORE-V	Organic Reactions and Mechanisms	6	5	40	60	100
	14PCH2C6	CORE-VI	Group Theory and Spectroscopy	6	5	40	60	100
	14PCH2C7P	CORE-VII	Inorganic Qualitative Analysis and Colorimetric Estimations- Practical	6	5	40	60	100
	14PCH2C8P	CORE-VIII	Organic Preparations and Mixture Analysis-Practical	6	5	40	60	100
	14PCH2CE2	CORE BASED ELECTIVE -II #		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
III	14PCH3C9	CORE-IX	Inorganic Spectroscopy, Solid State and Bio-Inorganic Chemistry	6	5	40	60	100
	14PCH3C10	CORE-X	Organic Spectroscopy	6	5	40	60	100
	14PCH3C11	CORE-XI	Industrial Chemistry	6	5	40	60	100
	14PCH3C12P	CORE-XII	Physical Chemistry Non-Electrical Practical	6	5	40	60	100
	14PCH3CE3	CORE BASED ELECTIVE -III #		6	5	40	60	100
	14PCH3EC1	EXTRA CREDIT-I	Analytical Techniques	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
IV	14PCH4C13	CORE-XIII	Statistical Thermodynamics and Surface Chemistry	6	5	40	60	100
	14PCH4C14P	CORE X1V	Physical Chemistry Electrical- Practical	6	5	40	60	100
	14PCH4C15	CORE-XV	Polymer Chemistry	6	5	40	60	100
	14PCH4CE4	Core Based Elective -IV #		6	5	40	60	100
	14PCH4PW	PROJECT WORK		6	5	-	100	100
	14PCH4EC2	EXTRA CREDIT-II	Instrumentation and Separation Techniques	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>160</b>	<b>340</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>120</b>	<b>100</b>	<b>760</b>	<b>1240</b>	<b>2000</b>

\* Not Considered for Grand Total and CGPA

# Core Based Electives

SEMESTER	CORE BASED ELECTIVE
I	Quantum Chemistry, Electrochemistry and Chemical Kinetics
	Theory of spectroscopy and Quantum chemistry
II	Organometallics, Electronic spectra and Metallurgy
	Applications of Spectroscopy to Inorganic Complex and Organometallics
III	Nano and Green Chemistry
	Special Topics in Chemistry
IV	Pharmaceutical Chemistry
	Quality control and Environmental chemistry

## M.Sc. COMPUTER SCIENCE

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PCS1C1	CORE I	Mathematical Foundations for Computer Science	6	5	40	60	100
	14PCS1C2	CORE II	OOAD and UML	6	5	40	60	100
	14PCS1C3	CORE III	Advanced Java Programming	6	5	40	60	100
	14PCS1C4P1	CORE IV	Advanced Java Programming Lab	3	3	20	30	50
	14PCS1C4P2	CORE IV	Assembler Programming Lab	3	2	20	30	50
	14PCS1CE1	COREBASED ELECTIVE – I#		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PCS2C5	CORE V	Design and Analysis of Algorithms	6	5	40	60	100
	14PCS2C6	CORE VI	Advanced Computer Architecture	6	5	40	60	100
	14PCS2C7	CORE VII	C# and .Net Framework	6	5	40	60	100
	14PCS2C8P	CORE VIII	C# and .Net Lab	6	5	40	60	100
	14PCS2CE2	CORE BASED ELECTIVE – II#		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
III	14PCS3C9	CORE IX	Distributed Operating Systems	6	5	40	60	100
	14PCS3C10	CORE X	Data Warehousing and Data Mining	6	5	40	60	100
	14PCS3C11	CORE XI	Principles of Compiler Design	6	5	40	60	100
	14PCS3C12	CORE XII	Open Source Technology	3	3	20	30	50
	14PCS3C12P	CORE XII	Open Source Lab	3	2	20	30	50
	14PCS3CE3	CORE BASED ELECTIVE – III#		6	5	40	60	100
14PCS3EC1	EXTRA CREDIT – I	Cloud Computing		5*		100*	100*	
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
IV	14PCS4C13	CORE XIII	Middleware Technology	6	5	40	60	100
	14PCS4C14P	CORE XIV	Middleware Technology Lab	6	5	40	60	100
	14PCS4EC2	EXTRA CREDIT – II	Network Management		5*		100*	100*
	14PCS4PW	PROJECT WORK		18	15	-	300	300
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>80</b>	<b>420</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>120</b>	<b>100</b>	<b>680</b>	<b>1320</b>	<b>2000</b>

\* Not Considered for Grand Total and CGPA

# Core Based Electives

SEMESTER	CORE BASED ELECTIVE
I	Microprocessors and Microcontrollers
	Embedded Systems
	Human Computer Interaction
II	Wireless and Mobile Communication
	Multimedia Systems & Design
	Digital Image Processing
III	Grid Computing
	Soft Computing
	Ontology and Semantic Web

## M.C.A.

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14MCA1C1	Core I	Programming in C	4	4	40	60	100
	14MCA1C2	Core II	Mathematical Foundations	4	4	40	60	100
	14MCA1C3	Core III	Computer Organization and Architecture	4	4	40	60	100
	14MCA1C4	Core IV	Computer Graphics	4	4	40	60	100
	14MCA1C5	Core V	Management Information Systems	4	4	40	60	100
	14MCA1C6P	Core VI	C Programming Lab	4	3	40	60	100
	14MCA1C7P	Core VII	Multimedia Lab	4	3	40	60	100
		Skill Based Course - I	Communication Skills *	2	-	-	-	-
<b>TOTAL</b>				<b>30</b>	<b>26</b>	<b>280</b>	<b>420</b>	<b>700</b>
II	14MCA2C8	Core VIII	Object Oriented Programming with C++	4	4	40	60	100
	14MCA2C9	Core IX	Numerical and Statistical Methods	4	4	40	60	100
	14MCA2C10	Core X	Principles of Operating Systems	4	4	40	60	100
	14MCA2C11	Core XI	Database Systems	4	4	40	60	100
	14MCA2C12	Core XII	Accounting and Financial Management	4	4	40	60	100
	14MCA2C13P	Core XIII	Object Oriented Programming Lab	4	3	40	60	100
	14MCA2C14P	Core XIV	Shell Programming Lab	4	3	40	60	100
	14MCA2S1	Skill Based Course - I	Communication Skills *	2	3	100	-	100
14MCA2PW1		Summer Project Work - I	-	2	40	60	100	
<b>TOTAL</b>				<b>30</b>	<b>31</b>	<b>420</b>	<b>480</b>	<b>900</b>
III	14MCA3C15	Core XV	Programming in Java	4	4	40	60	100
	14MCA3C16	Core XVI	Optimization Techniques	4	4	40	60	100
	14MCA3C17	Core XVII	Computer Networks	4	4	40	60	100
	14MCA3C18	Core XVIII	Data Structures and Algorithms	4	4	40	60	100
	14MCA3CE1	Core Based Elective - I #		4	4	40	60	100
	14MCA3C19P	Core XIX	Java Programming Lab	4	3	40	60	100
	14MCA3C20P	Core XX	RDBMS Lab	4	3	40	60	100
		Skill Based Course - II	Numerical Aptitude *	2	-	-	-	-
14MCA3EC1	Extra Credit Course - I	Data Mining	-	4***		100	100	
<b>TOTAL</b>				<b>30</b>	<b>26</b>	<b>280</b>	<b>420</b>	<b>700</b>
IV	14MCA4C21	Core XXI	.Net Technology	4	4	40	60	100
	14MCA4C22	Core XXII	Computer Simulation and Modeling	4	4	40	60	100
	14MCA4C23	Core XXIII	Microprocessors, Principles and Applications	4	4	40	60	100
	14MCA4C24	Core XXIV	Artificial Intelligence and Expert Systems	4	4	40	60	100
	14MCA4CE2	Core Based Elective- II #		4	4	40	60	100
	14MCA4C25P	Core XXV	Web Technology Lab	4	3	40	60	100
	14MCA4C26P	Core XXVI	.Net Lab	4	3	40	60	100
	14MCA4S2	Skill Based Course - II	Numerical Aptitude *	2	3	100	-	100
	14MCA4PW2		Summer Project Work - II	-	2	40	60	100
14MCA4EC2	Extra Credit Course - II	Programming Smart Devices	-	4***		100	100	
<b>TOTAL</b>				<b>30</b>	<b>31</b>	<b>420</b>	<b>480</b>	<b>900</b>
V	14MCA5C27	Core XXVII	Distributed Technology	4	4	40	60	100
	14MCA5C28	Core XXVIII	Principles of Compiler Design	4	4	40	60	100
	14MCA5C29	Core XXIX	Organizational Dynamics	4	4	40	60	100
	14MCA5CE3	Core Based Elective- III #		4	4	40	60	100
	14MCA5CE4	Core Based Elective- IV#		4	4	40	60	100
	14MCA5C30P	Core XXX	Distributed Technology Lab	4	3	40	60	100
	14MCA5C31P	Core XXXI	Mini Project Lab	4	3	40	60	100
	14MCA5S3	Skill Based Course - III	Comprehensive Study **	2	2	100	-	100
14MCA5EC3	Extra Credit Course -III	Cloud Computing	-	4***		100	100	
<b>TOTAL</b>				<b>30</b>	<b>28</b>	<b>380</b>	<b>420</b>	<b>800</b>
<b>VI</b>	14MCA6PW		Industrial Experience and Project Work	30	20	80	120	200
<b>TOTAL</b>				<b>30</b>	<b>20</b>	<b>80</b>	<b>120</b>	<b>200</b>
<b>GRAND TOTAL</b>				<b>180</b>	<b>162</b>	<b>1860</b>	<b>2340</b>	<b>4200</b>

SEMESTER	CORE BASED ELECTIVE
III	Multimedia Systems and Design
	Pattern Recognition
	Digital Image Processing
IV	Software Engineering
	Human Computer Interaction
	Genetic Algorithm
V	Principles of E-Commerce
	Information Security
	Software Project Management
	Parallel Processing
	Grid Computing
	Ontology and Semantic Web

# Core Based Electives

\* Fully Internal - Examination at the end of the year

\*\* Paper fully Internal

\*\*\* Not Considered for Grand Total and CGPA

## M.Sc. INFORMATION TECHNOLOGY

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PIT1C1	CORE I	Structured and Object Oriented Programming	6	5	40	60	100
	14PIT1C2	CORE II	Data Structures and Algorithms	6	5	40	60	100
	14PIT1C3	CORE III	Data Communication and Networking	6	5	40	60	100
	14PIT1C4P1	CORE IV	Data Structures Lab using C	3	3	20	30	50
	14PIT1C4P 2	CORE IV	Object Oriented Programming Lab	3	2	20	30	50
	14PIT1CE1	CORE BASED ELECTIVE – I #		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PIT2C5	CORE V	Advanced Java Programming	6	5	40	60	100
	14PIT2C6	CORE VI	Management Information Systems	6	5	40	60	100
	14PIT2C7	CORE VII	Mobile Communications	6	5	40	60	100
	14PIT2C8P1	CORE VIII	Advanced Java Programming Lab	3	3	20	30	50
	14PIT2C8P2	CORE VIII	RDBMS Lab	3	2	20	30	50
	14PIT2CE2	CORE BASED ELECTIVE – II #		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
III	14PIT3C9	CORE IX	Advanced Operating Systems	6	5	40	60	100
	14PIT3C10	CORE X	Open Source Technology	6	5	40	60	100
	14PIT3C11	CORE XI	Web Technology	6	5	40	60	100
	14PIT3C12P1	CORE XII	Open Source Lab	3	3	20	30	50
	14PIT3C12P2	CORE XII	Web Technology Lab	3	2	20	30	50
	14PIT3CE3	CORE BASED ELECTIVE –III #		6	5	40	60	100
	14PIT3EC1	EXTRA CREDIT - I	Business Intelligence	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
IV	14PIT4C13	CORE XIII	.Net Technology	6	5	40	60	100
	14PIT4C14P	CORE XIV	.Net Technology Lab	6	5	40	60	100
	14PIT4EC2	EXTRA CREDIT - II	Information Security	-	5*	-	100*	100*
	14PIT4PW	PROJECT WORK		18	15	-	300	300
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>80</b>	<b>420</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>120</b>	<b>100</b>	<b>680</b>	<b>1320</b>	<b>2000</b>

\* Not Considered for Grand Total and CGPA

# Core Based Electives

SEMESTER	CORE BASED ELECTIVE
I	Software Project Management
	Multimedia Systems & Design
	Pattern Recognition
II	Database Systems
	Human Computer Interaction
	Genetic Algorithm
III	IT Infrastructure and Management
	E – Commerce
	Ontology and Semantic Web

## M.Sc. FASHION TECHNOLOGY AND COSTUME DESIGNING

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PFT1C1	CORE -I	Advanced Textile Science	6	5	40	60	100
	14PFT1C2P	CORE -II	Fashion Draping - Practical	6	5	40	60	100
	14PFT1C3	CORE -III	Computer Application in Fashion Designing	6	5	40	60	100
	14PFT1C4P	CORE -IV	Computer Aided Fashion Designing Practical - I	6	5	40	60	100
	14PFT1CE1	CORE BASED ELECTIVE - I #		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PFT2C5	CORE -V	Export Documentation	6	5	40	60	100
	14PFT2C6	CORE -VI	Quality Standards and Specifications	6	5	40	60	100
	14PFT2C7P	CORE -VII	Home Textiles – Practical	6	5	40	60	100
	14PFT2C8P	CORE -VIII	Computer Aided Fashion Designing Practical - II	6	5	40	60	100
	14PFT2CE2	CORE BASED ELECTIVE - II #		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
III	14PFT3C9	CORE -IX	Technical Textile	6	5	40	60	100
	14PFT3C10	CORE -X	Textile Testing	6	5	40	60	100
	14PFT3C11	CORE -XI	Textile Management	6	5	40	60	100
	14PFT3C12P	CORE -XII	Advanced Clothing Construction - Practical	6	5	40	60	100
	14PFT3CE3	CORE BASED ELECTIVE -III #		6	5	40	60	100
	14PFT3EC1	EXTRA CREDIT -I	Fashion Retailing	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
IV	14PFT4C13	CORE -XIII	Knitting	6	5	40	60	100
	14PFT4C14	CORE -XIV	Fashion Business and Communication	6	5	40	60	100
	14PFT4C15P	Core-XV	Portfolio Presentation -Practical	6	5	40	60	100
	14PFT4PW	PROJECT WORK		12	10	-	200	200
	14PFT4EC2	EXTRA CREDIT - II	World Costumes	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>120</b>	<b>380</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>120</b>	<b>100</b>	<b>720</b>	<b>1280</b>	<b>2000</b>

\* Not Considered for Grand Total and CGPA

# Core Based Electives

SEMESTER	CORE BASED ELECTIVE
I	Textile Dyeing and Finishing
	Textile Industrial Management
II	Research Methods and Statistics
	Apparel Marketing
III	Home Science
	Textile Economics

## M.B.A.

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14MBA1C1	CORE I	Management Concepts and Organizational Behaviour	4	4	40	60	100
	14MBA1C2	CORE II	Mathematics and Statistics	5	4	40	60	100
	14MBA1C3	CORE III	Economics For Decision Making	4	4	40	60	100
	14MBA1C4	CORE IV	Communication Skills	4	4	40	60	100
	14MBA1C5	CORE V	Financial Accounting	5	4	40	60	100
	14MBA1C6	CORE VI	Operations Management	4	4	40	60	100
	14MBA1C7	CORE VII	Management Information Systems	4	4	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>28</b>	<b>280</b>	<b>420</b>	<b>700</b>
II	14MBA2C8	CORE VIII	Cost and Management Accounting	4	4	40	60	100
	14MBA2C9	CORE IX	Operations Research	5	4	40	60	100
	14MBA2C10	CORE X	Financial Management	5	4	40	60	100
	14MBA2C11	CORE XI	Marketing Management	4	4	40	60	100
	14MBA2C12	CORE XII	Human Resource Management	4	4	40	60	100
	14MBA2C13	CORE XIII	Enterprise Resource Planning	4	4	40	60	100
	14MBA2C14	CORE XIV	Research Methods in Management	4	4	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>28</b>	<b>280</b>	<b>420</b>	<b>700</b>
III	14MBA3PW1	PROJECT WORK	Project Work I - (6 Weeks)	-	4	40	60	100
	14MBA3C15	CORE XV	Strategic Management	5	4	40	60	100
	14MBA3C16	CORE XVI	Entrepreneurial Development	4	4	40	60	100
	14MBA3C17	CORE XVII	Legal Aspects of Business	5	4	40	60	100
		ELECTIVE I	Paper 1 from Specialisation I	4	4	40	60	100
		ELECTIVE II	Paper 2 from Specialisation I	4	4	40	60	100
		ELECTIVE III	Paper 1 from Specialisation II	4	4	40	60	100
		ELECTIVE IV	Paper 2 from Specialisation II	4	4	40	60	100
14MBA3EC1	EXTRA CREDIT-I	Logistics Management	-	4*	-	100*	100*	
<b>TOTAL</b>				<b>30</b>	<b>32</b>	<b>320</b>	<b>480</b>	<b>800</b>
IV	14MBA4C18	CORE XVIII	International Business Environment	6	4	40	60	100
		ELECTIVE V	Paper 3 from Specialisation I	6	4	40	60	100
		ELECTIVE VI	Paper 4 from Specialisation I	6	4	40	60	100
		ELECTIVE VII	Paper 3 from Specialisation II	6	4	40	60	100
		ELECTIVE VIII	Paper 4 from Specialisation II	6	4	40	60	100
	14MBA4PW2	PROJECT WORK	Project Work II (8 weeks)	-	8	80	120	200
	14MBA4EC2	EXTRA CREDIT-II	Business Ethics and Corporate Governance	-	4*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>28</b>	<b>280</b>	<b>420</b>	<b>700</b>
<b>GRAND TOTAL</b>				<b>120</b>	<b>116</b>	<b>1160</b>	<b>1740</b>	<b>2900</b>

\* Not Considered for Grand Total and CGPA

## M.B.A.

### LIST OF SPECIALIZATIONS OFFERED

Dual Specializations are offered in the following areas:

- ❖ Marketing
- ❖ Finance
- ❖ Human Resource
- ❖ Systems

#### LIST OF ELECTIVES (SPECIALIZATION I & II) – III SEMESTER

**Specialization I** : Two Electives can be opted out of Five in Specialization I

**Specialization II** : Two Electives can be opted out of Five in Specialization II

COURSE CODE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	MARKS
<b>SPECIALIZATION I - ELECTIVES</b>						
14MBA3CEM1	Consumer Behavior <i>Marketing</i>	4	4	40	60	100
14MBA3CEM2	Marketing Communications „	4	4	40	60	100
14MBA3CEM3	Sales Management „	4	4	40	60	100
14MBA3CEM4	Brand Management „	4	4	40	60	100
14MBA3CEM5	New Horizons in Marketing „	4	4	40	60	100
14MBA3CEF1	Security Analysis and Portfolio Management <i>Finance</i>	4	4	40	60	100
14MBA3CEF2	Financial Derivatives „	4	4	40	60	100
14MBA3CEF3	Strategic Financial Management „	4	4	40	60	100
14MBA3CEF4	Risk Management „	4	4	40	60	100
14MBA3CEF5	Financial Institutions and Markets „	4	4	40	60	100
14MBA3CEH1	Strategic Human Resource Management <i>Human Resource</i>	4	4	40	60	100
14MBA3CEH2	HRM in knowledge based organisations „	4	4	40	60	100
14MBA3CEH3	Change Management „	4	4	40	60	100
14MBA3CEH4	Training and Development „	4	4	40	60	100
14MBA3CEH5	Labour Legislations „	4	4	40	60	100
14MBA3CES1	RDBMS with Oracle - Theory <i>Systems</i>	2	2	20	30	50
14MBA3CES1:P	RDBMS with Oracle - Practical „	2	2	20	30	50
14MBA3CES2	IT Strategy for Business „	4	4	40	60	100
14MBA3CES3	SAP „	4	4	40	60	100
14MBA3CES4	E-Commerce „	4	4	40	60	100
14MBA3CES5	Data Mining and Data warehousing „	4	4	40	60	100

## M.B.A.

### LIST OF ELECTIVES (SPECIALIZATION I & II) – IV SEMESTER

**Specialization I:** Two Electives can be opted out of Five in Specialization I

**Specialization II:** Two Electives can be opted out of Five in Specialization II

COURSE CODE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
<b>SPECIALIZATION II - ELECTIVES</b>						
14MBA4CEM6	Retail Management <i>Marketing</i>	6	4	40	60	100
14MBA4CEM7	International Marketing ,,	6	4	40	60	100
14MBA4CEM8	Customer Relationship Management ,,	6	4	40	60	100
14MBA4CEM9	Services Marketing ,,	6	4	40	60	100
14MBA4CEM10	Marketing Research ,,	6	4	40	60	100
14MBA4CEF6	Corporate Restructuring <i>Finance</i>	6	4	40	60	100
14MBA4CEF7	Banking and Insurance ,,	6	4	40	60	100
14MBA4CEF8	International Financial Management ,,	6	4	40	60	100
14MBA4CEF9	Financial Services ,,	6	4	40	60	100
14MBA4CEF10	Taxation ,,	6	4	40	60	100
14MBA4CEH6	Counselling skills in work place <i>Human Resource</i>	6	4	40	60	100
14MBA4CEH7	International Human Resource Management ,,	6	4	40	60	100
14MBA4CEH8	Performance Management ,,	6	4	40	60	100
14MBA4CEH9	Managerial Behavior and Effectiveness ,,	6	4	40	60	100
14MBA4CEH10	Human Resource Development ,,	6	4	40	60	100
14MBA4CES6	Knowledge Management <i>Systems</i>	6	4	40	60	100
14MBA4CES7	Information Technology Management ,,	6	4	40	60	100
14MBA4CES8	Software Project Management ,,	6	4	40	60	100
14MBA4CES9	Advanced MS Excel for Managers ,,	6	4	40	60	100
14MBA4CES10	Cyber Laws ,,	6	4	40	60	100



## M.Sc. MATHEMATICS

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PMA1C1	CORE I	Algebra	6	5	40	60	100
	14PMA1C2	CORE II	Real Analysis	6	5	40	60	100
	14PMA1C3	CORE III	Ordinary and Partial Differential Equations	6	5	40	60	100
	14PMA1C4	CORE IV	Programming in C++	3	3	20	30	50
	14PMA1C4 P	CORE IV	C++ Programming Lab	3	2	20	30	50
	14PMA1CE1	CORE BASED ELECTIVE I#		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PMA2C5	CORE V	Linear Algebra	6	5	40	60	100
	14PMA2C6	CORE VI	Fuzzy Sets and their Applications	6	5	40	60	100
	14PMA2C7	CORE VII	Integral Equations and Calculus of Variations	6	5	40	60	100
	14PMA2C8	CORE VIII	Complex Analysis	6	5	40	60	100
	14PMA2CE2	CORE BASED ELECTIVE II#		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
III	14PMA3C9	CORE IX	Topology	6	5	40	60	100
	14PMA3C10	CORE X	Measure Theory and Integration	6	5	40	60	100
	14PMA3C11	CORE XI	Functional Analysis	6	5	40	60	100
	14PMA3C12	CORE XII	Graph Theory	6	5	40	60	100
	14PMA3CE3	CORE BASED ELECTIVE III#		6	5	40	60	100
14PMA3EC1	EXTRA CREDIT-I	Discrete Mathematics	-	5*	-	100*	100*	
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
IV	14PMA4C13	CORE XIII	Fluid Dynamics	6	5	40	60	100
	14PMA4C14	CORE XIV	Advanced Operations Research	6	5	40	60	100
	14PMA4C15	CORE XV	Advanced Differential Equations	6	5	40	60	100
	14PMA4CE4	CORE BASED ELECTIVE IV#		6	5	40	60	100
	14PMA4PW	PROJECT WORK		6	5	-	100	100
	14PMA4EC2	EXTRA CREDIT-II	Differential Geometry	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>160</b>	<b>340</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>120</b>	<b>100</b>	<b>760</b>	<b>1240</b>	<b>2000</b>

\* Not Considered for Grand Total and CGPA

# Core Based Electives

SEMESTER	CORE BASED ELECTIVE
I	Classical Mechanics
	Control Theory
II	Numerical Analysis
	Mathematical Methods in Biology
III	Mathematical Statistics
	Computer Algorithms
IV	Stochastic Processes
	Queuing Theory and Non Linear Programming

## M.Sc. MICROBIOLOGY

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PMB1C1	CORE I	Fundamentals of Microbiology	6	5	40	60	100
	14PMB1C2	CORE II	Microbial Physiology	6	5	40	60	100
	14PMB1C3	CORE III	Immunology and Immunotechnology	6	5	40	60	100
	14PMB1C4P	CORE IV	Fundamentals of Microbiology, Microbial Physiology, Immunology and Immunotechnology - Practical	6	5	40	60	100
	14PMB1CE1	CORE BASED ELECTIVE -I#		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PMB2C5	CORE V	Industrial Microbiology	6	5	40	60	100
	14PMB2C6	CORE VI	Bacteriology and Virology	6	5	40	60	100
	14PMB2C7	CORE VII	Medical Mycology and Parasitology	6	5	40	60	100
	14PMB2C8P	CORE VIII	Bacteriology and Virology and Medical Mycology Parasitology - Practical	6	5	40	60	100
	14PMB2CE2	CORE BASED ELECTIVE – II #		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
III	14PMB3C9	CORE IX	Applied Microbiology	6	5	40	60	100
	14PMB3C10	CORE X	Microbial Genetics and Molecular Biology	6	5	40	60	100
	14PMB3C11	CORE XI	Recombinant DNA technology	6	5	40	60	100
	14PMB3C12P	CORE XII	Applied Microbiology, Microbial Genetics and Molecular Biology and Recombinant DNA technology - practical	6	5	40	60	100
	14PMB3CE3	CORE BASED ELECTIVE – III #		6	5	40	60	100
	14PMB3EC1	EXTRA CREDIT-I	Food and Nutrition	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
IV	14PMB4C13	CORE XIII	Microbial Food Technology	6	5	40	60	100
	14PMB4C14	CORE XIV	Extremophiles	6	5	40	60	100
	14PMB 4C15	CORE XV	Microbial Ecology	6	5	40	60	100
	14PMB 4CE4	CORE BASED ELECTIVE – IV #		6	5	40	60	100
	14PMB4PW	PROJECT WORK		6	5	-	100	100
	14PMB4EC2	EXTRA CREDIT-II	Nutrition Management	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>160</b>	<b>340</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>120</b>	<b>100</b>	<b>760</b>	<b>1240</b>	<b>2000</b>

\* Not Considered for Grand Total and CGPA

# Core Based Electives

SEMESTER	CORE BASED ELECTIVE
I	Pharmaceutical Chemistry
	Biomedical aspects of Microorganism
II	Clinical Lab Technology
	Mushroom and Vermitechnology
III	Microbial Biotechnology and Nanotechnology.
	Entrepreneurship Microbiology
IV	Marine Microbiology
	Social and Preventive medicine

## M.Sc. NUTRITION AND DIETETICS

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PND1C1	CORE I	Applied Physiology	6	5	40	60	100
	14PND1C2	CORE II	Nutritional Biochemistry	6	5	40	60	100
	14PND1C3	CORE III	Therapeutic Nutrition-I	6	5	40	60	100
	14PND1C4P	CORE IV	Techniques in Clinical Nutrition - Practical	6	5	40	60	100
	14PND1CE1	CORE BASED ELECTIVE I#		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PND2C5	CORE V	Human Nutrition	6	5	40	60	100
	14PND2C6	CORE VI	Therapeutic Nutrition- II	6	5	40	60	100
	14PND2C7	CORE VII	Nutrition for Growth and Development	6	5	40	60	100
	14PND2C8P	CORE VIII	Therapeutic Nutrition - Practical	6	3	20	30	50
	14PND2C8I	CORE VIII I	Therapeutic Nutrition - Internship	4(wks)	2	20	30	50
	14PND2CE2	CORE BASED ELECTIVE II#		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
III	14PND3C9	CORE IX	Nutrition and Physical Fitness	6	5	40	60	100
	14PND3C10	CORE X	Advanced Food Science	6	5	40	60	100
	14PND3C11	CORE XI	Research Methodology and Statistics	6	5	40	60	100
	14PND3C12P	CORE XII	Techniques in Food Analysis - Practical	6	5	40	60	100
	14PND3CE3	CORE BASED ELECTIVE III #		6	5	40	60	100
	14PND3EC1	EXTRA CREDIT – I	Hospitality Administration	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
IV	14PND4C13	CORE XIII	Advances in Food Microbiology	6	5	40	60	100
	14PND4C14	CORE XIV	Public Health Nutrition	6	5	40	60	100
	14PND4C15 P	CORE XV	Application of Computer in Food Service Management and Nutrition - Practical	6	5	40	60	100
	14PND4PW	PROJECT WORK		12	10	-	200	200
	14PND4EC2	EXTRA CREDIT - II	Consumer in the Market	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>120</b>	<b>380</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>120</b>	<b>100</b>	<b>720</b>	<b>1280</b>	<b>2000</b>

\* Not considered for Grand Total and CGPA

# Core Based Electives

SEMESTER	CORE BASED ELECTIVE
I	Paediatric Nutrition
	Nutritional Needs for Special Children
II	Functional Foods and Nutraceuticals
	Nutritional Management and Safety for Food Service
III	Food Processing
	Nutritional Counselling and Education

## M.Sc. PHYSICS

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS/WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PPH1C1	CORE I	Classical Dynamics	6	5	40	60	100
	14PPH1C2	CORE II	Mathematical Methods for Physics	6	5	40	60	100
	14PPH1C3	CORE III	Nuclear and Particle Physics	6	5	40	60	100
	14PPH1C4P1	CORE IV	General Physics - Practical	3	3	20	30	50
	14PPH1C4P2	CORE IV	Optics and Heat - Practical	3	2	20	30	50
	14PPH1CE1	CORE BASED ELECTIVE – I #		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PPH2C5	CORE V	Advanced Mathematical Physics	6	5	40	60	100
	14PPH2C6	CORE VI	Electronics Devices and Circuits	6	5	40	60	100
	14PPH2C7	CORE VII	Electromagnetic Theory	6	5	40	60	100
	14PPH2C8P1	CORE VIII	Solid State Physics - Practical	3	3	20	30	50
	14PPH2C8P2	CORE VIII	Analog Electronics - Practical	3	2	20	30	50
	14PPH2CE2	CORE BASED ELECTIVE – II #		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
III	14PPH3C9	CORE IX	Atomic and Molecular Spectroscopy	6	5	40	60	100
	14PPH3C10	CORE X	Quantum Mechanics	6	5	40	60	100
	14PPH3C11	CORE XI	Statistical Mechanics	6	5	40	60	100
	14PPH3C12P1	CORE XII	Digital Electronics- Practical	3	3	20	30	50
	14PPH3C12P2	CORE XII	Numerical Programming in Physics - Practical	3	2	20	30	50
	14PPH3CE3	CORE BASED ELECTIVE – III #		6	5	40	60	100
	14PPH3EC1	EXTRA CREDIT – I	Nonlinear Electronics	-	5*	--	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
IV	14PPH4C13	CORE XIII	Solid State Physics	6	5	40	60	100
	14PPH4C14P1	CORE XIV	Microprocessor and Microcontroller- Practical	3	3	20	30	50
	14PPH4C14P2	CORE XIV	Numerical Simulations in Physics - Practical	3	2	20	30	50
	14PPH4C15	CORE XV	Advanced Topics in Physics	6	5	40	60	100
	14PPH4CE4	CORE BASED ELECTIVE – IV #		6	5	40	60	100
	14PPH4PW	PROJECT WORK		6	5	-	100	100
	14PPH4EC2	EXTRA CREDIT – II	Non-Conventional Energy Sources	-	5*	--	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>160</b>	<b>340</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>120</b>	<b>100</b>	<b>760</b>	<b>1240</b>	<b>2000</b>

\* Not considered for Grand Total and CGPA

# Core Based Electives

SEMESTER	CORE BASED ELECTIVE
I	Medical Physics & Ultrasonics
	Crystal Growth and Thin Films
II	Computational Methods for Physics
	Nano science and Technology
III	Special Electronics
	Electronic Instrumentation
IV	Fibre Optics
	Physics of Liquid Crystals

## M.S.W

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS/WKS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PSW1C1	CORE I	Introduction to Social Work and Society	5	4	40	60	100
	14PSW1C2	CORE II	Social Case Work	5	4	40	60	100
	14PSW1C3	CORE III	Social Group Work	5	4	40	60	100
	14PSW1C4	CORE IV	Community Organization and Social Action	5	4	40	60	100
	14PSW1C5	CORE V	Life Skills for Social Workers	5	4	40	60	100
	14PSW1C6	CORE VI	Field Work	5 (30days)	4	-	100	100
	14PSW1F1	FOUNDATION*- I	Competitive Skills for Social Workers**	3	2	40	60	100
<b>TOTAL</b>				<b>33 Hrs</b>	<b>26</b>	<b>240</b>	<b>460</b>	<b>700</b>
II	14PSW2C7	CORE VII	Basics of Counselling and Guidance	5	4	40	60	100
	14PSW2C8	CORE VIII	Human Behaviour and Development	5	4	40	60	100
	14PSW2C9	CORE IX	Research Methods in Social Work	5	4	40	60	100
	14PSW2C10	CORE X	Social Policies and Human Rights	5	4	40	60	100
	14PSW2C11	CORE XI	Social Work Administration and Legislations	5	4	40	60	100
	14PSW2C12	CORE XII	Concurrent Field Work	5 (30days)	4	-	100	100
	14PSW2F2	FOUNDATION*- II	Computing Skills for Social Workers**	3	2	40	60	100
<b>TOTAL</b>				<b>33 Hrs</b>	<b>26</b>	<b>240</b>	<b>460</b>	<b>700</b>
III	14PSW3SI 1		Summer Internship*	(3Wks)	4	-	100	100
	14PSW3C13	CORE XIII	Social Entrepreneurship	5	4	40	60	100
	14PSW3C14	CORE XIV	Corporate Social Responsibility	5	4	40	60	100
		ELECTIVE – I	Elective - I	5	4	40	60	100
		ELECTIVE - II	Elective - II	5	4	40	60	100
		ELECTIVE – III	Elective - III	5	4	40	60	100
	14PSW3C15	CORE – XV	Concurrent Field Work	5 (30days)	4	-	100	100
	14PSW3EC1	EXTRA CREDIT – I	Youth and Development	-	4*	-	100*	100*
<b>TOTAL</b>				<b>30 hrs</b>	<b>28</b>	<b>200</b>	<b>500</b>	<b>700</b>
IV		ELECTIVE – IV	Elective - IV	6	4	40	60	100
		ELECTIVE – V	Elective - V	6	4	40	60	100
	14PSW4C16	CORE XVI	Concurrent Field Work	6(30 days)	4	-	100	100
	14PSW4C17	CORE XVII	Block Placement Field Work	6 (30 days)	4	-	100	100
	14PSW4PW	PROJECT WORK		6	4	-	100	100
	14PSW4EC2	EXTRA CREDIT-II	Training and Supervision in Social Work	-	4*	-	100*	100*
	<b>TOTAL</b>				<b>30 Hrs</b>	<b>20</b>	<b>120</b>	<b>380</b>
<b>GRAND TOTAL</b>				<b>126 Hrs</b>	<b>100</b>	<b>800</b>	<b>1800</b>	<b>2600</b>

\*Foundation - I & II to be taught outside the Class hours

\*\* Theory 35 Marks and Practical 25 Marks

Summer Internship\* will be undertaken during the summer,

(After the end of II semester). However the evaluation will be done in the first week of August in III semester.

\* Not Considered for Grand Total and CGPA

**ELECTIVE DURING III & IV SEMESTERS  
SPECIALISATION (ELECTIVE) COURSES**

<b>III Semester</b>	14PSW3E11	Specialization – I	Elective (i)	Community Health
	14PSW 3E12		Elective (ii)	Mental Health
	14PSW 3E13		Elective (iii)	Health & Hygiene
<b>IV Semester</b>	14PSW 4E14		Elective (iv)	Medical Social Work
	14PSW 4E15		Elective (v)	Psychiatric Social Work
	<b>III Semester</b>		14PSW 3E21	Specialization – II
14PSW 3E22		Elective (ii)	Tribal Community Development	
14PSW 3E23		Elective (iii)	Sustainable Development	
<b>IV Semester</b>	14PSW 4E24	Elective (iv)	Project Management	
	14PSW 4E25	Elective (v)	Management of NGO's	
	<b>III Semester</b>	14PSW 3E31	Specialization – III	
14PSW 3E32		Elective (ii)		Employee Relations and Labour Legislations
14PSW 3E33		Elective (iii)		Training and Development
<b>IV Semester</b>	14PSW 4E34	Elective (iv)		Organizational Behaviour
	14PSW 4E35	Elective (v)		Strategic Management

## M.Sc. ZOOLOGY

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PZO1C1	CORE I	Biology of Invertebrates & Chordates	6	5	40	60	100
	14PZO1C2	CORE II	Environmental Biology & Resource Management	6	5	40	60	100
	14PZO1C3	CORE III	Cell and Molecular Biology	6	5	40	60	100
	14PZO1C4P	CORE IV	Biology of Invertebrates , Chordates, Environmental Biology, Resource Management & Cell and Molecular Biology - Practical	6	5	40	60	100
	14PZO1CE1	CORE BASED ELECTIVE I#		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PZO2C5	CORE V	Microbiology	6	5	40	60	100
	14PZO2C6	CORE VI	Animal Physiology	6	5	40	60	100
	14PZO2C7	CORE VII	Genetics	6	5	40	60	100
	14PZO2C8P	CORE VIII	Microbiology, Animal Physiology & Genetics & Micro Technique - Practical	6	5	40	60	100
	14PZO2CE2	CORE BASED ELECTIVE II#		6	5	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
III	14PZO3C9	CORE IX	Developmental Biology, Evolution & Paleontology	6	5	40	60	100
	14PZO3C10	CORE X	Biochemistry	6	5	40	60	100
	14PZO3C11	CORE XI	Immunology	6	5	40	60	100
	14PZO3C12P	CORE XII	Developmental Biology, Evolution, & Paleontology , Biochemistry & Immunology - Practical	6	5	40	60	100
	14PZO3CE3	CORE BASED ELECTIVE III#		6	5	40	60	100
14PZO3EC1	EXTRA CREDIT-I	Comprehensive Examination in Zoology		5*	-	100*	100*	
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>200</b>	<b>300</b>	<b>500</b>
IV	14PZO4C13	CORE XIII	General and Applied Entomology	6	5	40	60	100
	14PZO4C14P	CORE XIV	General and Applied Entomology - Practical	6	5	40	60	100
	14PZO 4C15P	CORE XV	General and Applied Entomology Practical	6	5	40	60	100
	14PZO4CE4	CORE BASED ELECTIVE IV #		6	5	40	60	100
	14PZO4PW	PROJECT WORK		6	5	-	100	100
	14PZO4EC2	EXTRA CREDIT-II	Applied Zoology	-	5*	-	100*	100*
<b>TOTAL</b>				<b>30</b>	<b>25</b>	<b>160</b>	<b>340</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>120</b>	<b>100</b>	<b>760</b>	<b>1240</b>	<b>2000</b>

\* Not Considered for Grand Total and CGPA

# Core Based Electives

SEMESTER	CORE BASED ELECTIVE
I	Biophysics and Radiation Biology
	Clinical lab Techniques
II	Biotechnology
	Bioinstrumentation
III	Biostatistics and Bioinformatics
	Computer Application and Biological Sciences
IV	Aquaculture Biotechnology
	Endocrinology

## **M.Phil. REGULATIONS AS PER BHARATHIDASAN UNIVERSITY NORMS**

### **DURATION**

The duration of the M.Phil. programme shall be one year consisting of two semesters for the Full - Time programme, and two years for the Part - time programme. The full - time and part - time programmes shall commence from July and the August. Final Autonomous Examination shall be conducted in January / February for the Full - time candidates and in April / May for Part - time candidates. The second terms Examinations shall be conducted in August / September for the Full - time candidates and April / May for the Part - time candidates.

### **DISSERTATION**

Candidates shall submit the dissertation to the Controller of Examinations through the Supervisor and the Head of the Department not earlier than 5 months but within 6 months from the date of start of the second semester in the case of Fulltime programme and not earlier than 10 months but within one year from the date of start of the second year, in the case of Part-time programme. If a candidate is not able to submit his / her dissertation within the period stated above, he / she shall be given an extension time of 4 months in the first instance and another 4 months in the second instance with penalty fees. If a candidate does not submit his / her dissertation even after the two extensions, his / her registration shall be treated as cancelled and he / she has to re-register for the programme. However the candidate need not write the theory papers again, if he / she has already passed these courses.

### **RESTRICTION IN NUMBER OF CHANCES**

**Full - time Candidates:** No candidate shall be permitted to appear for the written Examination in any course more than twice or to re-submit the dissertation or appear for the viva-voce more than twice. Resubmission of a dissertation shall be done with a penalty fee, within 6 months from the first of the month which follows the month in which the result of the first attempt is declared. The permitted attempts of semester-I & II Examinations shall be completed within a maximum period of 36 months from the first of the month which follows the month in which the registration was done.

**Part - Time Candidates:** No candidate shall be permitted to appear for the written Examination in any course more than twice or to re-submit the dissertation or appear for the viva-voce more than twice. Resubmission of a dissertation shall be done with a penalty fee, within 6 months from the first of the month which follows the month in which the result of the first attempt is declared. The permitted attempts of Part-I & II Examinations shall be completed within a maximum period of 48 months from the first of the month which follows the month in which the registration was done.

### **RE-REGISTRATION**

- ◆ The candidates shall be permitted for Re-Registration based on the merit of individual cases.
- ◆ While Re-registering the candidates shall pay the fee prescribed for Second semester / year.
- ◆ The Re-registered candidates are required to submit the dissertation not earlier than three months and not later than one year after the date of re-registration. No further extension of time shall be given.

### **Note:**

1. Supplementary examinations for the theory courses shall be conducted depending upon the nature of the cases.
2. For detailed regulations refer to M.Phil. regulations of Bharathidasan University framed from time to time.



**COURSE STRUCTURE FOR M.Phil. PROGRAMMES  
(Under CBCS w.e.f 2014 – 2015)**

**M.PHIL. ARABIC**

SEM	COURSE CODE	COURSE	COURSE TITLE	NO. OF HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14MPAR1C1	CORE I	Research Methodology	4*	4	40	60	100
	14MPAR1C2	CORE II	Indo Arab Literature	4*	4	40	60	100
	14MPAR1C3	CORE III	Research Topics in Arabic	4*	4	40	60	100
	14MPAR1C4	CORE IV	Teaching & Learning Methodology	4*	4	40	60	100
<b>* One Hour Library for each course</b>								
<b>TOTAL</b>				16	16	160	240	400
II	14PMPAR2PW	Project Work	Dissertation **	----	8	----	----	200
<b>GRAND TOTAL</b>				----	<b>24</b>	----	----	<b>600</b>

**M.Phil. BIOTECHNOLOGY**

SEM	COURSE CODE	COURSE	COURSE TITLE	NO. OF HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14MPBT1C1	CORE I	Research Methodology	4*	4	40	60	100
	14MPBT1C2	CORE II	Molecular Biotechnology	4*	4	40	60	100
	14MPBT1C3	CORE III	Research Topics in Biotechnology	4*	4	40	60	100
	14MPBT1C4	CORE IV	Teaching and Learning Methodology	4*	4	40	60	100
<b>*One hour Library for each Course</b>								
<b>TOTAL</b>				16	16	160	240	400
II	14MPBT2PW	Project Work	Dissertation**	--	8	--	--	200
<b>TOTAL</b>				--	<b>24</b>	--	--	<b>600</b>

**M.Phil. BOTANY**

SEM	SUBJECT CODE	COURSE	COURSE TITLE	NO. OF HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14MPBO1C1	CORE I	Research Methodology	4*	4	40	60	100
	14MPBO1C2	CORE II	Advanced Plant Science	4*	4	40	60	100
	14MPBO1C3	CORE III	Research Topics in Botany	4*	4	40	60	100
	14MPBO1C4	CORE IV	Teaching & Learning Techniques	4*	4	40	60	100
<b>* One hour library for each Courses</b>								
<b>TOTAL</b>				16	16	160	240	400
II	14MPBO2PW	Project Work	Dissertation**	-	8	-	-	200
<b>GRAND TOTAL</b>				-	<b>24</b>	-	-	<b>600</b>

**M.Phil. CHEMISTRY**

SEM	COURSE CODE	COURSE	COURSE TITLE	NO. OF HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14MPCH1C1	CORE I	Research Methodology in Chemistry	4*	4	40	60	100
	14MPCH1C2	CORE II	Physical Methods in Chemistry	4*	4	40	60	100
	14MPCH1C3	CORE III	Research Topics in Chemistry	4*	4	40	60	100
	14MPCH1C4	CORE IV	Teaching Methodology	4*	4	40	60	100
<b>* One hour library for each course</b>								
<b>TOTAL</b>				16	16	160	240	400
II	14MPCH2PW	PROJECT WORK	Dissertation**	-	8	-	-	200
<b>GRAND TOTAL</b>				-	<b>24</b>	-	-	<b>600</b>

### M.Phil. COMMERCE

SEM	COURSE CODE	COURSE	COURSE TITLE	NO. OF HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14MPCO1C1	CORE I	Research Methodology	4*	4	40	60	100
	14MPCO1C2	CORE II	Functional Management	4*	4	40	60	100
	14MPCO1C3	CORE III	Research Topics in Commerce	4*	4	40	60	100
	14MPCO1C4	CORE IV	Teaching & Learning Methodology	4*	4	40	60	100
<b>* One hour Library for each Course</b>								
<b>TOTAL</b>				<b>16</b>	<b>16</b>	<b>160</b>	<b>240</b>	<b>400</b>
II	14 MPCO2PW	Project Work	Dissertation **	-	8	-	-	200
<b>GRAND TOTAL</b>				<b>-</b>	<b>24</b>	<b>-</b>	<b>-</b>	<b>600</b>

### M.Phil. COMPUTER SCIENCE

SEM.	COURSE CODE	COURSE	SUBJECT TITLE	HRS/ WEEK	CREDIT	CIA MARK	SE MARK	TOTAL MARK
I	14MPCS1C1	CORE I	Research Methodology	4*	4	40	60	100
	14MPCS1C2	CORE II	Advanced Concepts in Computer Science	4*	4	40	60	100
	14MPCS1C3	CORE III	Research Topics in Computer Science	4*	4	40	60	100
	14MPCS1C4	CORE IV	Teaching Methodologies	4*	4	40	60	100
<b>* One Hour Library hour for each course</b>								
<b>TOTAL</b>				<b>16</b>	<b>16</b>	<b>160</b>	<b>240</b>	<b>400</b>
II	14MPCS2PW	Project Work	Dissertation**	-	8	-	-	200
<b>GRAND TOTAL</b>				<b>-</b>	<b>24</b>	<b>-</b>	<b>-</b>	<b>600</b>

### M.Phil. ECONOMICS

SEM	COURSE CODE	COURSE	COURSE TITLE	NO. OF HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14MPEC1C1	CORE I	Research Methodology	4*	4	40	60	100
	14MPEC1C2	CORE II	Emerging Issues in Economics	4*	4	40	60	100
	14MPEC1C3	CORE III	Research Topics in Economics	4*	4	40	60	100
	14MPEC1C4	CORE IV	Teaching and Learning Methodology	4*	4	40	60	100
<b>TOTAL</b>				<b>16</b>	<b>16</b>	<b>160</b>	<b>240</b>	<b>400</b>
<b>* One hour Library for each course</b>								
II	14MPEC2PW	Project Work	** Dissertation	--	8	--	--	200
<b>GRAND TOTAL</b>				<b>--</b>	<b>24</b>	<b>--</b>	<b>--</b>	<b>600</b>

### M. Phil. ENGLISH

SEM	COURSE CODE	COURSE	COURSE TITLE	NO. OF HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14MPEN1C1	CORE I	Research Methodology and Theory of Literature	4*	4	40	60	100
	14MPEN1C2	CORE II	Literary Theory	4*	4	40	60	100
	14MPEN1C3	CORE III	Research Topics in English	4*	4	40	60	100
	14MPEN1C4	CORE IV	Teaching Methods and Techniques in English	4*	4	40	60	100
<b>* One hour Library for each course</b>								
<b>TOTAL</b>				<b>16</b>	<b>16</b>	<b>160</b>	<b>240</b>	<b>400</b>
II	14MPE2PW	Project Work	Dissertation **	--	8	--	--	200
<b>GRAND TOTAL</b>				<b>--</b>	<b>24</b>	<b>--</b>	<b>--</b>	<b>600</b>

### M.Phil. HISTORY

SEM	COURSE CODE	COURSE	COURSE TITLE	NO. OF HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14MPHS1C1	CORE I	Research Methodology in History	4*	4	40	60	100
	14MPHS1C2	CORE II	Historiography	4*	4	40	60	100
	14MPHS1C3	CORE III	Research Topics in History	4*	4	40	60	100
	14MPHS1C4	CORE IV	Teaching Learning Methodology	4*	4	40	60	100
<b>*One hour Library hour for each course</b>								
<b>TOTAL</b>				<b>16</b>	<b>16</b>	<b>160</b>	<b>240</b>	<b>400</b>
II	14MPHS2PW	Project work	Dissertation **	-	8	-	-	200
<b>GRAND TOTAL</b>				<b>-</b>	<b>24</b>	<b>-</b>	<b>-</b>	<b>600</b>

### M.Phil. MANAGEMENT STUDIES

SEM	COURSE CODE	COURSE	COURSE TITLE	NO. OF HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14MPMBA1C1	CORE I	Research Methodology	4*	4	40	60	100
	14MPMBA1C2	CORE II	Advanced Strategic Management	4*	4	40	60	100
	14MPMBA1C3	CORE III	Research Topics in Management	4*	4	40	60	100
	14MPMBA1C4	CORE IV	Teaching Learning Process & Technology	4*	4	40	60	100
<b>*One hour Library for each course</b>								
<b>TOTAL</b>				<b>16</b>	<b>16</b>	<b>160</b>	<b>240</b>	<b>400</b>
II	14MPMBA2PW	Project Work	Dissertation **	--	8	--	--	200
<b>GRAND TOTAL</b>				<b>--</b>	<b>24</b>	<b>--</b>	<b>--</b>	<b>600</b>

### M.Phil. MATHEMATICS

SEM	COURSE CODE	COURSE	COURSE TITLE	NO. OF HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14MPMA1C1	CORE I	Research Methodology	4*	4	40	60	100
	14MPMA1C2	CORE II	Analysis and Applied Mathematics	4*	4	40	60	100
	14MPMA1C3	CORE III	Research Topics in Mathematics	4*	4	40	60	100
	14MPMA1C4	CORE IV	Teaching and Learning Methodology	4*	4	40	60	100
<b>* One hour Library for each course</b>								
<b>TOTAL</b>				<b>16</b>	<b>16</b>	<b>160</b>	<b>240</b>	<b>400</b>
II	14MPMA2PW	Project Work	Dissertation**	--	8	--	--	200
<b>GRAND TOTAL</b>				<b>--</b>	<b>24</b>	<b>--</b>	<b>--</b>	<b>600</b>

### M.Phil. MICROBIOLOGY

SEM	COURSE CODE	COURSE	COURSE TITLE	NO. OF HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14MPMB1C1	CORE I	Research Methodology	4*	4	40	60	100
	14MPMB1C2	CORE II	Advanced Application in Microbiology	4*	4	40	60	100
	14MPMB1C3	CORE III	Research Topic in Microbiology (Guide Paper )	4*	4	40	60	100
	14MPMB1C4	CORE IV	Teaching and Learning Methodology	4*	4	40	60	100
<b>* One hour Library for each course</b>								
<b>TOTAL</b>				<b>16</b>	<b>16</b>	<b>160</b>	<b>240</b>	<b>400</b>
II	14MPMB2PW	Project Work	Dissertation **	--	8	--	--	200
<b>GRAND TOTAL</b>				<b>--</b>	<b>24</b>	<b>--</b>	<b>--</b>	<b>600</b>

### M.Phil. PHYSICS

SEM	COURSE CODE	COURSE	COURSE TITLE	NO. OF HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14MPPH1C1	CORE I	Research Methodology	4*	4	40	60	100
	14MPPH1C2	CORE II	Advanced Studies in Physics	4*	4	40	60	100
	14MPPH1C3	CORE III	Research Topics in Physics	4*	4	40	60	100
	14MPPH1C4	CORE IV	Teaching and Learning Methodology	4*	4	40	60	100
<b>*One hour Library for each course</b>								
<b>TOTAL</b>				<b>16</b>	<b>16</b>	<b>160</b>	<b>240</b>	<b>400</b>
II	14MPPH2PW	Project Work	Dissertation **	--	8	--	--	200
<b>GRAND TOTAL</b>				<b>--</b>	<b>24</b>	<b>--</b>	<b>--</b>	<b>600</b>

### M.Phil. TAMIL

SEM	COURSE CODE	COURSE	COURSE TITLE	NO. OF HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14MPPTA1C1	CORE I	ஆய்வியல் நெறிமுறைகள்	4*	4	40	60	100
	14MPPTA1C2	CORE II	தமிழாய்வுப் போக்குகள்	4*	4	40	60	100
	14MPPTA1C3	CORE III	தமிழியல் ஆய்வுக்களங்கள்	4*	4	40	60	100
	14MPPTA1C4	CORE IV	கற்பித்தலில் புதிய அணுகுமுறைகள்	4*	4	40	60	100
<b>*One hour Library for each course</b>								
<b>TOTAL</b>				<b>16</b>	<b>16</b>	<b>160</b>	<b>240</b>	<b>400</b>
II	14MPPTA2PW	Project Work	Dissertation**	--	8	--	--	200
<b>GRAND TOTAL</b>				<b>--</b>	<b>24</b>	<b>--</b>	<b>--</b>	<b>600</b>

### M.Phil. ZOOLOGY

SEM	COURSE CODE	COURSE	COURSE TITLE	NO. OF HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14MPZO1C1	CORE I	Research Methodology	4*	4	40	60	100
	14MPZO1C2	CORE II	Advanced Studies in Zoology	4*	4	40	60	100
	14MPZO1C3	CORE III	Research Topics in Zoology	4*	4	40	60	100
	14MPZO1C4	CORE IV	Teaching and Learning Methodology	4*	4	40	60	100
<b>*One hour Library for each course</b>								
<b>TOTAL</b>				<b>16</b>	<b>16</b>	<b>160</b>	<b>240</b>	<b>400</b>
II	14MPZO2PW	Project Work	Dissertation**	--	8	--	--	200
<b>GRAND TOTAL</b>				<b>--</b>	<b>24</b>	<b>--</b>	<b>--</b>	<b>600</b>

**COURSE STRUCTURE FOR PG DIPLOMA PROGRAMMES  
(Under CBCS w.e.f. 2014-2015)**

**POST GRADUATE DIPLOMA IN ISLAMIC BANKING AND FINANCIAL MANAGEMENT  
(PGDIBFM)**

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PDIBFM1C1	CORE I	Managerial Economics	6	4	40	60	100
	14PDIBFM1C2	CORE II	Financial, Cost and Management Accounting	6	4	40	60	100
	14PDIBFM1C3	CORE III	Banking and Islamic Law	6	4	40	60	100
	14PDIBFM1C4	CORE IV	Islamic Economics	6	4	40	60	100
	14PDIBFM1C5	CORE V	Islamic Banking and Finance	6	4	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PDIBFM2C6	CORE VI	Principles of Islamic Shariah	6	4	40	60	100
	14PDIBFM2C7	CORE VII	Financial Management	6	4	40	60	100
	14PDIBFM2C8	CORE VIII	Islamic Insurance	6	4	40	60	100
	14PDIBFM2C9	CORE IX	Islamic Investment and Portfolio Management	6	4	40	60	100
	14PDIBFM2C10	CORE X	Project work – Internship (4 weeks)	-	4	40	60	100
<b>TOTAL</b>				<b>24</b>	<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>54</b>	<b>40</b>	<b>400</b>	<b>600</b>	<b>1000</b>

**POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS (PGDCA)**

SEM.	COURSE CODE	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PDCA1C1	CORE I	Digital Computer Fundamentals	6	4	40	60	100
	14PDCA1C2	CORE II	Programming in C	6	4	40	60	100
	14PDCA1C3	CORE III	Principles of Operating Systems	6	4	40	60	100
	14PDCA1C4	CORE IV	Database Systems	6	4	40	60	100
	14PDCA1C5P1	CORE V	C Programming Lab	3	2	20	30	50
	14PDCA1C5P2	CORE V	PC Packages Lab	3	2	20	30	50
<b>TOTAL</b>				<b>30</b>	<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PDCA2C6	CORE VI	Internet and its Applications	6	4	40	60	100
	14PDCA2C7	CORE VII	Object Oriented Programming with C++	6	4	40	60	100
	14PDCA2C8	CORE VIII	Visual Programming	6	4	40	60	100
	14PDCA2C9	CORE IX	Web Design	6	4	40	60	100
	14PDCA2C10P1	CORE X	C++ Programming Lab	3	2	20	30	50
	14PDCA2C10P2	CORE X	Visual Programming Lab	3	2	20	30	50
<b>TOTAL</b>				<b>30</b>	<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>60</b>	<b>40</b>	<b>400</b>	<b>600</b>	<b>1000</b>

## POST GRADUATE DIPLOMA IN BIOINFORMATICS (PGDBI)

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PDBI1C1	CORE I	Fundamental of Bioinformatics	6	4	40	60	100
	14PDBI1C2	CORE II	Statistics for Bioinformatics	6	4	40	60	100
	14PDBI1C3	CORE III	Basic Structural Biology	6	4	40	60	100
	14PDBI1C4	CORE IV	Object Oriented Programming and Web Publishing	6	4	40	60	100
	14PDBI1C5P	CORE V	C ++ Programming and Web Publishing -Practical	6	4	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PDBI2C6	CORE VI	Database Management Systems	6	4	40	60	100
	14PDBI2C7	CORE VII	Genomics and Proteomics	6	4	40	60	100
	14PDBI2C8	CORE VIII	Computational Biology	6	4	40	60	100
	14PDBI2C9	CORE IX	Molecular Modeling and Drug Design	6	4	40	60	100
	14PDBI2C10P	CORE X	Bioinformatics - Practical	6	4	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>60</b>	<b>40</b>	<b>400</b>	<b>600</b>	<b>1000</b>

## POST GRADUATE DIPLOMA IN FERMENTATION TECHNOLOGY (PGDFT)

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PDFT1C1	CORE I	Biomolecules and Microbial Biochemistry	6	4	40	60	100
	14PDFT1C2	CORE II	Biocatalysis and Biotransformations	6	4	40	60	100
	14PDFT1C3	CORE III	Microbiology of Industrial Fermentation	6	4	40	60	100
	14PDFT1C4	CORE IV	Principles of Fermentation Technology	6	4	40	60	100
	14PDFT1C5P	CORE V	Microbiology, Enzymology & Fermentation - Practical	6	4	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PDFT2C6	CORE VI	Bioseparations and Biological Techniques	6	4	40	60	100
	14PDFT2C7	CORE VII	Animal and Plant Cell Bioprocesses	6	4	40	60	100
	14PDFT2C8	CORE VIII	Downstream Processes and Fermentation Economics	6	4	40	60	100
	14PDFT2C9	CORE IX	Industrial Fermentation Processes	6	4	40	60	100
	14PDFT2C10P	CORE X	Bioprocess - Practical	6	4	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>60</b>	<b>40</b>	<b>400</b>	<b>600</b>	<b>1000</b>

**POST GRADUATE DIPLOMA IN BIODIVERSITY INFORMATICS (PGDBDI)**

SEM	COURSE CODE	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14PDBD1C1	CORE I	Biodiversity Informatics for Conservation and Management	6	4	40	60	100
	14PDBD1C2	CORE II	Biogeoinformatics	6	4	40	60	100
	14PDBD1C3	CORE III	Python Programming	6	4	40	60	100
	14PDBD1C4	CORE IV	DataBase Management Systems	6	4	40	60	100
	14PDBD1C5P1	CORE V	Lab course I: Biogeoinformatics	3	2	20	30	50
	14PDBD1C5P2	CORE V	Lab Course II: Python Programming and DBMS	3	2	20	30	50
<b>TOTAL</b>				<b>30</b>	<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>
II	14PDBD2C6	CORE VI	Data Integration for Biodiversity and Web Application Development	6	4	40	60	100
	14PDBD2C7	CORE VII	Biostatistics	6	4	40	60	100
	14PDBD2C8	CORE VIII	Independent Study Course	6	4	40	60	100
	14PDBD2C9P1	CORE IX	Lab Course I - Data Integration for Biodiversity and Web Application Development	3	2	20	30	50
	14PDBD2C9P2	CORE IX	Lab Course II - Biostatistics	3	2	20	30	50
	14PDBD2PW	PROJECT	-----	6	4	40	60	100
<b>TOTAL</b>				<b>30</b>	<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>
<b>GRAND TOTAL</b>				<b>60</b>	<b>40</b>	<b>400</b>	<b>600</b>	<b>1000</b>

**COURSE STRUCTURE FOR CERTIFICATE AND DIPLOMA PROGRAMMES  
(Under CBCS w.e.f. 2014-2015)**

**CERTIFICATE COURSE IN SPOKEN ARABIC  
(6 months course)**

Non Sem	COURSE CODE	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
	14CAR 01	CORE I	Introduction to Arabic	4	4	40	60	100
	14CAR 02	CORE II	Communication Skills in Arabic	4	4	40	60	100
<b>TOTAL</b>				<b>8</b>	<b>8</b>	<b>80</b>	<b>120</b>	<b>200</b>

**DIPLOMA COURSE IN SPOKEN ARABIC & TRANSLATION SKILLS  
(One Year Course)**

NON SEM	COURSE CODE	COURSE	COURSE TITLE	HRS/ WEEK	CREDIT	CIA MARK	SE MARK	TOTAL MARKS
	14DAR 01	CORE I	Prose & Grammar	4	4	40	60	100
	14DAR 02	CORE II	Spoken Arabic & Translation Skill	4	4	40	60	100
	14DAR 03	CORE III	Arabic Application in Computer & Viva-Voce	4	4	40	60	100
<b>TOTAL</b>				<b>12</b>	<b>12</b>	<b>120</b>	<b>180</b>	<b>300</b>

**ADVANCED DIPLOMA IN COMPUTER APPLICATIONS WITH ARABIC (ADCAA)**

SEM	COURSE CODE	COURSE TITLE	HRS / WEEK	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
I	14ADCAA1	Basic Computer and IT	3	3	20	30	50
	14ADCAA1P	Basic Computer and IT-Practical	2	2	20	30	50
	14ADCAA2P	Type Writing in Arabic-Practical	5	5	40	60	100
	14ADCAA3P	Basic Internet - Practical	5	5	40	60	100
II	14ADCAA4	Computer Hardware	3	3	20	30	50
	14ADCAA4P	Computer Hardware-Practical	2	2	20	30	50
	14ADCAA5P	MS Office with Arabic-Practical	5	5	40	60	100
	14ADCAA6P	Corel Draw, Page Maker and Photoshop-Practical	5	5	40	60	100
<b>TOTAL</b>			<b>30</b>	<b>30</b>	<b>210</b>	<b>390</b>	<b>600</b>

**COURSE STRUCTURE FOR CAREER ORIENTED PROGRAMMES  
(Under CBCS w.e.f. 2014-2015)**

**Department** : CHEMISTRY

**Name of the course** : DOMESTIC CHEMISTRY AND QUALITY ASSURANCE  
(UGC Approval No. F.No 4-148/2005(COP), dt.16.12.2004)

COURSE CODE	COURSE	COURSE TITLE	TEACHING HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
<b>CERTIFICATE COURSE</b>							
14CHCT1	CORE I	Cosmetics and quality analysis	150	10	40	60	100
14CHCT2	CORE II	Detergents and fuels	150	10	40	60	100
14CHCT3P	CORE III	Practical*	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>DIPLOMA PROGRAMME</b>							
14CHDM1	CORE I	Food and drugs	150	10	40	60	100
14CHDM2	CORE II	Fertilizers, glass and dyes	150	10	40	60	100
14CHDM3P	CORE III	Practical*	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>GRAND TOTAL</b>			<b>900</b>	<b>60</b>	<b>240</b>	<b>360</b>	<b>600</b>
<b>ADVANCED DIPLOMA PROGRAMME</b>							
14CHAD1	CORE I	Vitamins and Polymers	150	10	40	60	100
14CHAD2	CORE II	Advanced medicines and plant micronutrients	150	10	40	60	100
14CHAD3P	CORE III	Practical*	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>GRAND TOTAL</b>			<b>1350</b>	<b>90</b>	<b>360</b>	<b>540</b>	<b>900</b>

\* Practical Examinations will be conducted all the end of the year



**Department** : COMMERCE

**Name of the Course** : COMPUTER APPLICATION IN COMMERCE  
(UGC Approval No. F.No. 4 – 137 / 2008 (COP), dt.25.03.2008)

COURSE CODE	COURSE	COURSE TITLE	TEACHING HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
<b>CERTIFICATE COURSE</b>							
14COCT1	CORE I	Fundamentals of Computer	150	10	40	60	100
14COCT2	CORE II	DTP – Theory	150	10	40	60	100
14COCT3P	CORE III	DTP – Practical*	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>DIPLOMA PROGRAMME</b>							
14CODM1	CORE I	E-Business	150	10	40	60	100
14CODM2	CORE II	Office Automation – Theory	150	10	40	60	100
14CODM3P	CORE III	Office Automation – Practical *	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>GRAND TOTAL</b>			<b>900</b>	<b>60</b>	<b>240</b>	<b>360</b>	<b>600</b>
<b>ADVANCED DIPLOMA PROGRAMME</b>							
14COAD1	CORE I	Enterprise wide Information Systems	150	10	40	60	100
14COAD2	CORE II	Computerized Accounting Package – Theory	150	10	40	60	100
14COAD3P	CORE III	Computerized Accounting Package – Practical*	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>GRAND TOTAL</b>			<b>1350</b>	<b>90</b>	<b>360</b>	<b>540</b>	<b>900</b>

\* Practical Examinations will be conducted all the end of the year

**Department** : COMPUTER SCIENCE

**Name of the course** : COMPUTER HARDWARE AND NETWORKING ADMINISTRATION  
(UGC Approval No : F.No. 4-148/2005 (COP), dt.16.12.2004)

COURSE CODE	COURSE	COURSE TITLE	TEACHING HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
<b>CERTIFICATE COURSE</b>							
14CSCT1	CORE I	Basic Computer Hardware	150	10	40	60	100
14CSCT2	CORE II	System Assembly Maintenance and Troubleshooting	150	10	40	60	100
14CSCT3P	CORE III	PC assembly and Troubleshooting Lab	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>DIPLOMA PROGRAMME</b>							
14CSDM1	CORE I	Novell Netware Administration	150	10	40	60	100
14CSDM2	CORE II	Windows Administration	150	10	40	60	100
14CSDM3P	CORE III	Networking Lab – I	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>GRAND TOTAL</b>			<b>900</b>	<b>60</b>	<b>240</b>	<b>360</b>	<b>600</b>
<b>ADVANCED DIPLOMA PROGRAMME</b>							
14CSAD1	CORE I	UNIX/LINUX Administration	150	10	40	60	100
14CSAD2	CORE II	Internet Programming	150	10	40	60	100
14CSAD3P	CORE III	Networking Lab – II	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>GRAND TOTAL</b>			<b>1350</b>	<b>90</b>	<b>360</b>	<b>540</b>	<b>900</b>

\* Practical Examinations will be conducted all the end of the year

**Department** : ENGLISH

**Name of the Course** : JOURNALISM  
(UGC Approval No. F.No 4-148/2005(COP), dt.16.12.2004)

COURSE CODE	COURSE	COURSE TITLE	TEACHING HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
<b>CERTIFICATE COURSE</b>							
14ENCT1	CORE I	Introduction to Journalism-I	150	10	40	60	100
14ENCT2	CORE II	Introduction to Journalism-II	150	10	40	60	100
14ENCT3	CORE III	Field Work *	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>DIPLOMA PROGRAMME</b>							
14ENDM1	CORE I	Journalism and Mass Media-I	150	10	40	60	100
14ENDM2	CORE II	Journalism and Mass Media-II	150	10	40	60	100
14ENDM3	CORE III	Field Work *	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>GRAND TOTAL</b>			<b>900</b>	<b>60</b>	<b>240</b>	<b>360</b>	<b>600</b>
<b>ADVANCED DIPLOMA PROGRAMME</b>							
14ENAD1	CORE I	Writing for the Media-I	150	10	40	60	100
14ENAD2	CORE II	Writing for the Media-II	150	10	40	60	100
14ENAD3	CORE III	Field Work *	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>GRAND TOTAL</b>			<b>1350</b>	<b>90</b>	<b>360</b>	<b>540</b>	<b>900</b>

\* Practical Examinations will be conducted all the end of the year

**Department** : HISTORY

**Name of the course** : TOURISM AND TRAVEL MANAGEMENT  
(UGC Approval No. F.No 4-148/2005(COP), dt.16.12.2004)

COURSE CODE	COURSE	COURSE TITLE	TEACHING HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
<b>CERTIFICATE COURSE</b>							
14HSCT1	CORE I	Basic Studies in Tourism	150	10	40	60	100
14HSCT2	CORE II	Tourism Management and Travel Formalities	150	10	40	60	100
14HSCT3	CORE III	Field Work *	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>DIPLOMA PROGRAMME</b>							
14HSDM1	CORE I	Tourism Marketing	150	10	40	60	100
14HSDM2	CORE II	Management in Tourism	150	10	40	60	100
14HSDM3	CORE III	Field Work *	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>GRAND TOTAL</b>			<b>900</b>	<b>60</b>	<b>240</b>	<b>360</b>	<b>600</b>
<b>ADVANCE DIPLOMA PROGRAMME</b>							
14HSAD1	CORE I	Ecology, Environment and Tourism	150	10	40	60	100
14HSAD2	CORE II	Air Reservation and Ticketing	150	10	40	60	100
14HSAD3	CORE III	Field Work *	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>GRAND TOTAL</b>			<b>1350</b>	<b>90</b>	<b>360</b>	<b>540</b>	<b>900</b>

\* Practical Examinations will be conducted all the end of the year

**Department** : MATHEMATICS

**Name of the course** : E-MATHEMATICAL TOOLS

[UGC Approval No. F.No. 4 – 442/2010 (COP), Dt. 22.03.2010]

COURSE CODE	COURSE	COURSE TITLE	TEACHING HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
<b>CERTIFICATE COURSE</b>							
14MACT1	CORE I	MS Office	150	10	40	60	100
14MACT2	CORE II	LATEX (Theory)	150	10	40	60	100
14MACT3P	CORE III	LATEX (Practical)*	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>DIPLOMA PROGRAMME</b>							
14MADM1	CORE I	Web Designing	150	10	40	60	100
14MADM 2	CORE II	MATLAB (Theory)	150	10	40	60	100
14MADM3P	CORE III	MATLAB (Practical)*	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>GRAND TOTAL</b>			<b>900</b>	<b>60</b>	<b>240</b>	<b>360</b>	<b>600</b>
<b>ADVANCED DIPLOMA PROGRAMME</b>							
14MAAD1	CORE I	Statistics	150	10	40	60	100
14MAAD2	CORE II	SPSS Package	150	10	40	60	100
14MAAD3P	CORE III	Statistics Practicals Using Spss Package*	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>GRAND TOTAL</b>			<b>1350</b>	<b>90</b>	<b>360</b>	<b>540</b>	<b>900</b>

\* Practical Examinations will be conducted all the end of the year

**Department** : URDU

**Name of the course** : FUNCTIONAL URDU, COMPUTER APPLICATION AND  
MULTILINGUAL DTP WITH PRINTING TECHNOLOGY  
(UGC Approval No. F.No. 4 – 148 / 2005 (COP), dt.16.12.2004)

COURSE CODE	COURSE	COURSE TITLE	TEACHING HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
<b>CERTIFICATE COURSE</b>							
14UCT1	CORE I	Urdu-Hindi Fundamentals and Computer Application-I	150	10	40	60	100
14UCT2	CORE II	Functional Urdu-Hindi Computer Application-I	150	10	40	60	100
14UCT3P	CORE III	Multi-Lingual DTP Practical-I *	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>DIPLOMA PROGRAMME</b>							
14UDM1	CORE I	Functional Urdu-Hindi -II Computer Application	150	10	40	60	100
14UDM2	CORE II	Functional Urdu-Hindi-III Computer Application	150	10	40	60	100
14UDM3P	CORE III	Multi-Lingual DTP Practical-II *	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>GRAND TOTAL</b>			<b>900</b>	<b>60</b>	<b>240</b>	<b>360</b>	<b>600</b>
<b>ADVANCED DIPLOMA PROGRAMME</b>							
14UAD1	CORE I	Functional Urdu-Hindi –IV Computer Application	150	10	40	60	100
14UAD2	CORE II	Functional Urdu-Hindi-V Printing Technology	150	10	40	60	100
14UAD3P	CORE III	Printing Technology Practical *	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>GRAND TOTAL</b>			<b>1350</b>	<b>90</b>	<b>360</b>	<b>540</b>	<b>900</b>

\* Practical Examinations will be conducted all the end of the year

Department : ZOOLOGY

Name of the Course : MEDICAL LABORATORY TECHNOLOGY  
(UGC Approval No: F. No. 4 – 148/ 2005 (COP), Dt. 16.12.2004)

COURSE CODE	COURSE	COURSE TITLE	TEACHING HOURS	CREDIT	CIA MARKS	SE MARKS	TOTAL MARKS
<b>CERTIFICATE COURSE</b>							
14ZOCT1	CORE I	Human Anatomy, Physiology and Immunology	150	10	40	60	100
14ZOCT2	CORE II	General Laboratory Principles, Basic Haematology, Biochemistry, Microbiology and Pathology	150	10	40	60	100
14ZOCT3P	CORE III	Practical *	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>DIPLOMA PROGRAMME</b>							
14ZOAD1	CORE I	Communication and Non-Communicable Diseases	150	10	40	60	100
14ZOAD2	CORE II	Health Care and Advanced Techniques in Paramedical Science	150	10	40	60	100
14ZOAD3P	CORE III	Practical *	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>GRAND TOTAL</b>			<b>900</b>	<b>60</b>	<b>240</b>	<b>360</b>	<b>600</b>
<b>ADVANCED DIPLOMA PROGRAMME</b>							
14CH3AD1	CORE I	Vitamins and Polymers	150	10	40	60	100
14CH3AD2	CORE II	Advanced medicines and plant micronutrients	150	10	40	60	100
14CH3AD3P	CORE III	Practical*	150	10	40	60	100
<b>TOTAL</b>			<b>450</b>	<b>30</b>	<b>120</b>	<b>180</b>	<b>300</b>
<b>GRAND TOTAL</b>			<b>1350</b>	<b>90</b>	<b>360</b>	<b>540</b>	<b>900</b>

\* Practical Examinations will be conducted all the end of the year



