JAMAL MOHAMED COLLEGE
(Autonomous)

Accredited (3rd Cycle) with 'A' Grade by NAAC
(Affiliated to Bharathidasan University)
TIRUCHIRAPPALLI – 620 020

Since 1951

SHOW US THE RIGHT PATH

CURRICULUM DEVELOPMENT CELL

HANDBOOK ON AUTONOMY
Volume - VIII

AUGUST 2023

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August 2023

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

Hajee. M. J. JAMAL MOHAMED BILAL
President

Dr. A. K. KHAJA NAZEEMUDEEN
Secretary & Correspondent

Hajee. M. J. JAMAL MOHAMED
Treasurer

Dr. K. ABDUS SAMAD
Assistant Secretary

Dr. S. ISMAIL MOHIDEEN
Principal & Ex. Officio Member

Directors

Dr. K. N. Abdul Kader Nihal
Member & Hon. Director

Dr. K. N. Mohamed Fazil
Director - Hostel Administration

Ms. J. Hajira Fathima
Director – Women Hostel

PREFACE

Jamal Mohamed College which was founded in 1951 has now become a multi faculty institution fostering the learning environment wherein students of diverse background can develop their skills and competencies. At present the college offers 25 UG, 20 PG, 17 M.Phil. and 17 Ph.D. programmes in various disciplines and also offers diploma and certificate Programmes.

The National Assessment and Accreditation Council, an autonomous institution of the University Grants Commission, accredited our college with Five Star level in 2002. The College was conferred with Autonomous Status in 2004-2005. During the second and third cycle of NAAC assessment and accreditation, our college was bestowed with 'A' grade in 2009 and 2016 respectively. To provide students an opportunity to choose programmes for their holistic development, new Syllabi under Choice Based Credit system (CBCS) was introduced and Volume-I of the HandBook of Autonomy was released in 2004. Volume-II & Volume-III of the Handbook of Autonomy was released after the revision of the syllabi and the same came into effect during the academic years 2007- 2008 and 2008-2009 eventually. The Fourth, Fifth and Sixth Volumes were published after the revision of the syllabi in the academic years 2011-2012, 2014-2015 and 2017-2018 respectively. The regulations of the academic year 2020-2021 has been presented in the Volume-VII (Second Edition) of the Hand book of Autonomy. The handbook of Autonomy (Volume - VIII) covers the regulations that come into effect from the academic year 2023-2024.

Dr. S. ISMAIL MOHIDEEN
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

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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JAMAL MOHAMED COLLEGE (AUTONOMOUS)

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

(Affiliated to Bharathidasan University)

TIRUCHIRAPPALLI – 620 020

Prologue

"Jamal is the home of glorious Islamic traditions and culture with remarkable progress in the field of education".

-His Excellency Janab. Fakhrudeen Ali Ahamed, Former President of India.

(Spoken about the college during his visit in 1974-1975)

Jamal Mohamed College occupies a unique place in the academic galaxy and shines bright among the greatest academic institutions of our nation. The vision of two great stalwarts and freedom fighters Janab. M. Jamal Mohamed Sahib and Janab. N. M. Khajamian Rowther resulted in the establishment of this educational institution in 1951 with a motto to spread knowledge among the poor and downtrodden section of the society. Since its humble beginning in 1951 with the initial strength of 12 staff members and 250 students, the college has attained phenomenal progress in the academic sphere and earned goodwill among the people for providing higher education with ethical values. With the blessings of the Almighty and the support of the well-wishers, the college is marching ahead towards eternal glory.

On 11ᵗʰ July 1951 the college was inaugurated by Hon'ble. Thiru. P.S. Kumarasamy Raja, the then Chief Minister of Madras accompanied by His Excellency, the Maharaja of Bhavanagar, the then Governor of Madras presided over the function. Over the period of 7 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 13 UG programmes and 13 PG programmes under self-financing stream for men by promoting quality and excellence in higher education due to the sustained efforts and dedicated leadership rendered by the College Management Committee. The college also offers 17 UG and 15 PG programmes exclusively for women as part of women empowerment during the second shift of the college. 17 M.Phil. and 17 Ph.D. programmes are offered for both men and women under self-financing stream.

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. Haji M. Jamal Mohamed Sahib and Janab N. M. Khajamian Rowther were the founding fathers in whose revered memory the society has been rendering excellent service in the field of higher education.

In addition to Jamal Mohamed College (Autonomous), the Society of Jamal Mohamed College 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 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 Employments Training, Government of Tamilnadu.

HISTORY OF THE COLLEGE

THE LEGACY OF THE MANAGEMENT

- 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. After the sad demise of the founder president Janab. N. M. Khajamian Rowther in 1954, Janab. M. J. Jamal Mohideen had become the President in 1954. He served as both the President and Secretary of the Management Committee from 1954 to 1966 but remained as the President till 1975. In 1966, Hajee. M. J. Jamaludeen Sahib had become the Secretary & Correspondent of the Management Committee and served up to 1973.

- Hajee. N. M. K. Abdul Khader Sahib who had succeeded the founder Treasurer N. M. K. Abdul Samad Sahib and become the Treasurer of the Management Committee in 1964 and served up to 1973 in that position. After the demise of Hajee. M. J. Jamaludeen Sahib, Hajee. N. M. K. Abdul Khader Sahib became the Secretary and Correspondent in the year 1973 and served until 1988 in that capacity and also decorated the office of the president ship from 1989 to 1990.

- Hajee. M. J. M. Abdul Gafoor Sahib had become the Treasurer in 1973 after N.M.K Abdul Khader Sahib. He served in that capacity up to 1989. Then he was elected as Secretary and Correspondent of the Management Committee in 1989 and held the office till 2011. He had been blessed with the unique distinction of serving as the Secretary and Correspondent during the Silver, Golden and Diamond Jubilee celebrations of the college.

- Hajee. M. B. Abdullah Sahib became the President in 1975 after Janab. M. Jamal Mohideen Sahib and served in that capacity up to 1989. He also served as Secretary for one year from 1988 to 1989. Janab. N. M. K. Abdul Khaliq Sahib became the President in1989 and served in that capacity up to 1995. After him, Janab M. J. Noordeen Sahib served as the President from 1996 to 2014.

- Hajee. K. A. Khaleel Ahamed Sahib became the Treasurer of the Management Committee in 1989 and held the office till 2017.Hajee. 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.

- Dr. A. K. Khaja Nazeemudeen Sahib has been serving as a Member of the Management Committee from 1995 and in 2003 he was elected to the post of Assistant Secretary. Then he has become the Secretary & Correspondent of the Management Committee in 2011.

- Hajee. M. J. Jamal Mohamed Sahib was included as a Member in the Society of Jamal Mohamed College and got elected as the Assistant Secretary in 2011. He served in that capacity from 2011 to 2017. After the tenure of Hajee. K. A. Khaleel Ahamed Sahib, he has become the Treasurer in 2017.

- Dr. K. Abdus Samad was inducted as a Member in the Society of Jamal Mohamed College and has become the Assistant Secretary of the Management Committee from 2017.

TIMELINE OF THE PRINCIPALS

- Jamal Mohamed College has grown from strength to strength under the able leadership of great men who adorned the seat of Principal ship 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. (Management), 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.(Psychology), M.Phil., M.B.A., Ph.D., was the Principal from 1st June 2013 to 24th June 2014.

- Dr. S. Mohamed Salique, M.Sc., B.Ed., Ph.D., Dip. in Arabic was assumed his office as the Principal in charge from 25th June 2014 to 18th July 2014 and served as the Principal from 19th July 2014 to 31st May 2017.

- Dr. S. Ismail Mohideen, M.Sc., M.Phil., PGDCA., Ph.D. was appointed as the Principal on 1st June 2017 and he has been serving in that capacity till date.

CHRONOLOGY OF THE PROGRAMMES AND OTHER ACADEMIC AFFAIRS

- Jamal Mohamed College was founded in 1951, as an affiliated college to University of Madras with 250 students and 12 staff members. During this academic year 1951-1952, Intermediate programmes, B.A. Economics and B.A. Islamic History were offered for men students under aided stream. Department of Deeniyath Education was established in this same academic year. Later B.Com. (Aided) was started in the academic year 1952-1953. Other undergraduate courses like B.Sc. Mathematics, B.Sc. Physics, B.Sc. Chemistry and B.Sc. Zoology were started under aided stream during the academic year 1957-1958.

- The first miniature convocation was held at our college premises during the academic 1955-1956. Twenty graduates had attended this miniature convocation and were given warm reception by our college authorities. In this same academic year the construction of Burma Malaya Block was inaugurated by Diwan Bahadur Sir Arcot Lakshmanaswami Mudaliar, Vice-Chancellor of University of Madras for the accommodation of students at Khajamian Hostel.

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

- Khajamian Hostel for men was inaugurated in the academic year 1960-1961.

- Jamal Mohamed College Alumni Association was formed during the academic year 1963-1964 and the General Library of our college (Kamaraj Hall) was inaugurated by Mr. K. Kamaraj, the then Chief Minister of Tamil Nadu in the same year.

- The college was elevated to the status of a post graduate college and started offering PG programmes in M.A. Economics and M.Sc. Mathematics during the academic year 1963-1964 under aided stream.

- Evening College was started during the academic year 1965-1966.

- The College Museum was established and inaugurated by His Highness the Prince of Arcot during the academic year 1967-1968.

- UG Programmes like B.A. English Literature (1963-1964), B.Sc. Botany (1967-1968) and B.A Arabic Literature (1969-1970) were started for men students under aided stream in the subsequent years.

- M.Sc. Physics and M.A English Literature programmes under aided stream were commenced in the academic year 1966-1967. Other PG programmes like M.Sc. Zoology (1969-1970) and M.Com. (1971-1972) were also added in the aided stream in the consecutive years.

- In the academic year 1972-1973, Department of Zoology was identified and upgraded as a Centre for Advanced Research leading to Doctorate degree.

- During the year 1974, the college was recognized by UGC, New Delhi to receive financial grant under section 2(F) and 12(B) of the University Grants Commission Act 1956.

- Ph.D. programme was started for the first time in the college by the Department of Zoology during the academic year 1974-1975.

- During the academic year 1975-1976, our college celebrated Silver Jubilee on the successful completion of 25 years since its inception in 1951. The strength of the staff and student arose to 140 and 2675 respectively during that academic year. In this same academic year our college Auditorium was inaugurated by Dr. M. Karunanidhi, the then Chief Minister of Tamil Nadu.

- The first Convocation of our college was held on 11th November, 1975 in the newly built N.B. Abdul Gafoor Auditorium.

- In 1977-1978, on the recommendation of the University of Madras, UGC has 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 provide qualitative development to the colleges in the region.

- Bharathidasan University blossomed in the year 1982 and our college got affiliated to it in the same year.

- M.Phil. Programmes in Zoology (1983-1984) & English (1988-1989) and Post Graduate programmes in M.A Tamil Literature (1979-1980), M.A Arabic Literature (1983-1984), M.Sc. Chemistry (1983-1984) and M.Sc. Botany (1985-1986) were started under aided stream in the subsequent years.

- Self-financed PG programmes were started in the august presence of the Central Minister Maragatham Chandrasekar during the academic year 1985-1986. PG Programmes like M.Sc. Chemistry, M.Sc. Zoology and M.Sc. Physics were started for men under self-finance stream during that academic year.

- During the academic year 1986-1987, B.Sc. Computer Science programme was introduced in the college under aided stream to meet with the advent of Computer Era. PG Diploma in Computer Applications was started in the academic year 1987-1988. Master of Computer Applications (MCA) programme was started under aided stream during the academic year 1988-1989 for the post graduate students.

- The Guidance and Counselling Centre was established in the academic year 1988-1989 with a purpose to give awareness about available employability opportunities and to fine tune the employability skills of the students. Since from its inception it has been conducting coaching classes for competitive examinations and remedial classes to the students of poor, minority and SC / ST students.

- Ph.D. Programme in English was offered from the academic year 1989-1990.

- Self-Financed PG programmes in M.Sc. Computer Science (1990-1991) and M.Sc. Information Technology (1999-2000) were started for men students.

- Overseas Chapters of JMC Alumni Association were formed in Jeddah, Saudi Arabia and Bahrain during the academic year 1991-1992.

- Self-Financed UG programmes for men were started during the academic year 1995-1996 and B.Sc. Computer Science was offered for men under self-finance stream. PG Diploma in Computer Hardware was also started in this same academic year.

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

- Overseas Chapters of JMC Alumni Association were formed in Jeddah and United Arab Emirates during the academic year 1997-1998.

- During the academic year 1997-1998, The Islamic Development Bank, Jeddah made a generous financial contribution towards the purchase of computer equipment's and the construction of Haji Av. M. Mohamed Ibrahim Computer Centre for the Institute of Computer Studies, Jamal Mohamed College which was declared open by Prof. K. Anbazhagan, the then Hon'ble Minister for Education, Government of Tamil Nadu.

- Ph.D. and M.Phil. programmes in Commerce and Economics were started during the academic year 1998-1999. Self-financed M.Sc. Microbiology Programme for men was also started in this same academic year.

- During the academic year 1998-1999, Overseas Chapters of JMC Alumni Association were formed in Malaysia and Singapore.

- Overseas Chapter of JMC Alumni Association was formed in Kuwait during the academic year 1999-2000.

- The Philanthropic Management of the college felt the need for empowering women through education which resulted in starting exclusive women sections under self-finance stream during the academic year 1999-2000. The classes for women section began with 4 women staff members and 150 women students in Shift-II. Initially under graduate programmes like B.Sc. Computer Science, BCA and BBA (1999-2000) were offered for them. Other UG programmes like B.Com. and B.A English Literature were started for women students during the academic year 2000-2001.

- During the academic year 2000-2001, our college celebrated Golden Jubilee on the successful completion of 50 years since its inception in 1951. The strength of the staff and student arose to 191 and 4261 respectively. In this same academic year, Jamal Institute of Management blossomed for offering AICTE approved MBA programme and BCA programme were started for men.

- The Computerized Calligraphy Training Centre was started in the academic year 2001-2002 to offer Diploma in Computer Applications and Multilingual DTP with the approval of National Council for Promotion of Urdu Language (Ministry of HRD, New Delhi).

- During the academic year 2001-2002, NAAC accredited the college at the Five-star level for the period of five years from 12.02.2002 to 11.02.2007.

- Ph.D. and M.Phil. programmes in Botany, Mathematics, Physics and Tamil were started in the academic year 2002-2003. PG programmes like M.Com. (2002-2003) and M.Sc. IT (2002-2003) were offered for the first time to the Women students.

- During the academic year 2003-2004, separate sections in MBA, M.A English, M.A Arabic and B.Sc. Mathematics were started for women students. Right from this academic year College Day, Sports Day, Graduation Day were conducted separately for women students. Women wings of NSS and NCC were also created in this same year.

- During the academic year 2003-2004, Distinguished Alumnus Awards were presented to our alumni for the first time in the alumni meet held on 15th August 2003 at Jamal Mohamed College in recognition of their achievements in their chosen field.

- During the academic year 2004-2005, JMC Alumni chapters were formed in Chennai, Calicut and Bangalore.

- Ph.D. and M.Phil. programmes in Chemistry (2004-2005), M.Phil. programmes in Computer Science (2004-2005) and Arabic (2005-2006) were started in the subsequent years.

- During the academic year 2004-05, the AICTE has accorded extension of approval to the existing MCA programme offered under aided stream from 1988-1989 and under Self finance stream from 1992-1993. B.Com., B.Litt. Tamil and M.Sc. Bio-Technology programmes for men and M.Sc. Computer Science programme for women were also started in this same academic year.

- The 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. Choice Based Credit System was introduced for all programmes offered by the college from 2004-2005 with the introduction of new syllabi for all UG, PG and M.Phil. programmes.

- Women Hostel was established in the academic year 2005-2006.

- During the academic year 2005-2006, B.Sc. Chemistry, B.Sc. Physics, M.Sc. Mathematics programmes were started for women students. M.A History and BBA programmes were started for men students in this same academic year.

- The UGC has approved Six Career Oriented Programmes (COP) leading to Certificate, Diploma and Advance Diploma courses in Tourism and Travel Management; Computer Hardware and Networking Administration; Functional Urdu, Computer Application and Multilingual with Printing Technology; Journalism; Domestic Chemistry & Quality Assurance and Medical Lab Technology were started during the academic year 2005-2006.

- During the academic year 2005-2006, Department of Science and Technology (DST), Government of India has accorded FIST Scheme to the Departments of Zoology, Botany and Physics.

- M.Phil. programme in Management Studies and Post graduates programmes in M.S.W & M.Sc. Bio-Informatics were started for men students in the academic year 2006-2007.

- B.A and M.A Arabic with integrated Aalim Sanad programmes were started during the academic year 2007-2008. M.Phil. programmes in History, English, Zoology and Ph.D. programme in Arabic were also started in this same academic year under self-finance stream.

- The syllabus was revised for all UG, PG and M.Phil. Programmes to be implemented from the academic year 2007-2008.

- The Department of Economics has been offering Typewriting and Shorthand courses with 22 typewriters. This centre was recognized by the Department of Technical Education as Jamal Mohamed College Typewriting Institute in the year 2007-2008. In the same academic year, the Department of Commerce is accredited by ICWA Institute for offering coaching in Foundation courses in ICWA, Tally Accounting Packages and CAT.

- During the academic year 2008-2009, our College was accredited by NAAC in the Second Cycle and obtained 'A' Grade. In the same academic year Department of Science and Technology (DST), Government of India has accorded FIST Scheme to the Department of Mathematics.

- During the academic year 2008-2009, B.A English, B.Sc. Hotel Management & Catering Science and B.Sc. Information Technology were started for men under self-finance stream. Besides, B.Litt. Tamil, B.Sc. Fashion Technology & Costume Design, B.Sc. Nutrition & Dietetics, M.Sc. Microbiology, MSW and M.Sc. Chemistry were also started in this same academic year for women students. UGC approved Career Oriented Programme in Computer Application in Commerce (2008-2009) was also started in this same academic year.

- During the academic year 2009-2010, Islamic Development Bank Block and Islamic Development Bank Dining Hall were declared open at Khajamian Hostel out of the financial contribution of Rs.70 lakhs made by Islamic Development Bank, Jeddah.

- The Arabic and Islamic Research Centre was established with the financial grant offered by Saudi Embassy, New Delhi in the academic year 2009-2010. Ph.D. programme in Computer Science, Management Studies and M.Com for men students were also started in this academic year under self-finance stream.

- During the academic year 2009-2010, Entrepreneurial Development Cell was established for training the students to become business entrepreneurs. UGC Sponsored Day Care Centre, Equal Opportunity Centre and Centre for Differently Abled persons were also established in this same academic year.

- During the academic year 2009-2010, the Autonomous Status of the college was extended by UGC and Bharathidasan University for six years from 2010-2011 to 2015-2016.

- M.A English, M.Sc. Mathematics programmes for men and B.Sc. IT programme for women were started in the academic year 2010-2011. PG Diploma in Islamic Banking and Financial Management, PG Diploma in Fermentation Technology and UGC approved COP in E-Mathematical Tools were also started in this same academic year.

- During the academic year 2010-2011, MBA programme was accredited by NBA of AICTE.

- During the academic year 2010-2011, JMC Alumni Chapter of Singapore was registered as a society with the Government of Singapore on 22.11.2010.

- During the academic year 2010-2011, our college celebrated Diamond Jubilee on the successful completion of 60 years since its inception in 1951. The strength of the staff and student arose to 501 and 9625 respectively.

- UGC sponsored Women Hostel Block was inaugurated with the financial support of Rs.80, 00,000 during the academic year 2010-2011.

- The syllabus was revised for all UG, PG and M.Phil. Programmes to be implemented from the academic year 2011-2012.

- Our College has started submitting data for All India Survey on Higher Education (AISHE- Code: C-35832) from the academic year 2011-2012.

- The UGC has conferred our college with the status of "College with Potential for Excellence" during the academic year 2011 – 2012 and sanctioned a sum of Rs.1.1 crore for the period from 2011 to 2016.

- The College has started M.Sc. Fashion Technology & Costume Designing and M.Sc. Nutrition & Dietetics for women students from the year 2011-2012. PG Diploma in Bio-informatics was also started in this same academic year. The College has revised the syllabi for all UG, PG and M. Phil programmes to be implemented from the academic year 2011-2012.

- Ph.D. programmes in Biotechnology, Microbiology, Physical Education and M.Phil. programmes in Biotechnology and Microbiology were started during the academic year 2012-2013. B.Sc. Biotechnology for women and Advanced Diploma in Computer Applications with Arabic for men were also introduced in the same academic year.

- Indoor Stadium was built with the partial UGC grant of RS.70 lakhs during the academic year 2012-2013.

- Civil Services Examinations Study Centre of our college was established during the academic year 2012-2013.

- During the academic year 2013-14, P.G. Diploma in Biodiversity Informatics under UGC Innovative Course was introduced.

- In the academic year 2013-14 our college was 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.

- The NSS Units of Jamal Mohamed College were awarded Indira Gandhi NSS Award (National Award) by Hon'ble President Pranab Mukherjee during the academic year 2014-2015.

- The syllabus was revised for all UG, PG and M.Phil. Programmes to be implemented from the academic year 2014-2015.

- Enterprise Resource Planning (ERP) division of our college was established during the academic year 2014-2015.

- During 2014-2015, Jamal Institute of Management was ranked in Category 'A' by All India Management Association (AIMA), New Delhi, under Business Standard B-Schools Ratings categories.

- Our college was accredited by NAAC in the Third Cycle and obtained 'A' Grade in 2015-2016 and the status was extended up to May 2023. B.Sc. Microbiology programme for women was also started in this same academic year.

- Students Counselling Centre of our College was established in the academic year 2015-2016.

- Internal Quality Assurance Cell (IQAC) was annexed to the administrative building with adequate facilities during the academic year 2016-2017.

- The UGC has granted extension of Autonomous Status to our college for a further period of six years from 2016-2017 to 2021-2022.

- During the academic year 2016-2017, B.Sc. Visual Communication was started for Men Students. JMC Alumni Chapter was formed in Tiruchirappalli in the same academic year.

- During the academic year 2016-2017, our College was bestowed with the unique honour of "CPE" status (Phase-II) by the University Grants Commission and a sum of Rs.1.1 crore was sanctioned for the period from 2017 to 2022.

- The syllabus was revised for all UG, PG and M.Phil. Programmes to be implemented from the academic year 2017-2018.

- The Centre for Islamic Tamil Cultural Research was established in the academic year 2017-2018.

- Founders' Day was celebrated for the first time in memory of the founders Haji. M. Jamal Mohamed Sahib and Janab. N.M. Khajamian Rowther on 11th July 2017, the day on which the college was started in 1951.

- During the academic year 2017-2018, Our College was ranked as one of the Top hundred colleges (83rd rank) in the National Institutional Ranking Framework - 2018 by MHRD, New Delhi.

- Muslim Minority Status of the college was renewed by the Government of Tamil Nadu for a period of five years from 2017-2018 to 2021-2022.

- Ph. D. Programme in History was started in the academic year 2018-2019.

- In 2018-2019, A state-of- the- art Green Matte Studio, Audio Recording Studio and Editing Suite were established and made available for the benefit of the Students and Staff Members.

- M.Phil. in Nutrition and Dietetics (2018-2019) and Social Work (2019-2020) were started under self-finance stream. B.A. Arabic and B.Sc. Zoology programmes were also started for women students during the academic year 2018-2019. For the first time, under UGC NSQF scheme B.Voc. Programmes in Apparel & Fashion Design and Food Processing& Safety were started for women students.

- During 2018-2019, Innovation and Incubation Centre and Intellectual Property Rights Cell were established in the college.

- During the academic year 2018-2019, Our College was ranked as one of the Top Hundred Colleges (59th rank) in the National Institutional Ranking Framework-2019 by MHRD, New Delhi.

- Government of Tamil Nadu has identified our College to sanction infrastructure grants under RUSA Scheme in the academic year 2018-2019. Our College has joined under Unnat Bharat Abhiyan Scheme launched by MHRD as a participating institute for rural development in the same academic year.

- DST FIST Level "O" grant of Rs.1.1 Crore was sanctioned to six science departments of our college namely Mathematics, Physics, Chemistry, Botany, Zoology and Computer Science in the academic year 2018-2019. Department of Moral Education was established in this same academic year.

- During the academic year 2019-2020, Our College was ranked as one of the Top Hundred Colleges (54th rank) in the National Institutional Ranking Framework -2020 by MHRD, New Delhi.

- Ph.D. programme in Hotel Management was started in the academic year 2019-2020.

- The office of Dean of Arts, Dean of Science, Dean of Research, Curriculum Development Cell, Alumni Association and Part-V Activities were annexed to the administrative building during the academic year 2019-2020.

- Thiru Edappadi K. Palaniswami, Hon'ble Chief Minister of Tamil Nadu, presented The New Indian Express' "Think Edu Award" to our College on 09th January 2020 for our continued excellence in education.

- Five Science Departments such as Mathematics, Physics, Chemistry, Botany and Zoology have been selected by the Department of Biotechnology (DBT) and got awarded the Star College Scheme in the academic year 2020-2021 with the financial grant of Rs.1.04 Crore.

- During the academic year 2020-2021, Our College was ranked as one of the Top Hundred Colleges (65th rank) in the National Institutional Ranking Framework -2021 by MHRD, New Delhi.

- The syllabus was revised with the introduction of Outcome Based Education for all UG, PG and M.Phil. Programmes to be implemented from the academic year 2020-2021.

- B.Voc. Tourism and Hospitality Management and B.Voc. Media Production were started during the academic year 2020-2021. Besides, Diploma programmes in Aquaculture, Horticulture and Insurance and Actuarial Science were also started for men students in this same academic year 2020-2021 under UGC NSQF Scheme.

- JMC Alumni Association Chapters were formed in UK, USA, Tenkasi, Kongunadu and were inaugurated through online in the academic year 2020-2021.

- Global Alumni Job Search Engine exclusively for Jamalians was created with the support of the alumni spread all over the globe during the academic year 2020-2021.

- Autonomous status to our college was extended by UGC and Bharathidasan University for a period of five years from 2022-2023 to 2026-2027.

- Our college has ranked as one of the Top Hundred colleges (79th Rank) in the National Institutional Ranking Framework -2022 by MHRD, New Delhi.

- Our Honorable chief minister of Tamilnadu laid the foundation stone for the precious landmark building of "Global Jamalians Block" on 26th June, 2022.

- During the academic year 2023-2024, BBA Aviation, B.Com. International Finance and B.Sc. IT with Cyber Security was started for men under self-finance stream.

- During the academic year 2022-2023, our college was ranked as one of the Top hundred colleges (56th Rank) in the National Institutional Ranking Framework (NIRF) – 2023 by MHRD, New Delhi.

PROGRAMME OUTCOMES (POs) - ARTS

Undergraduates will be able to

- Discuss the fundamentals of facts and concepts of languages, literature, history, business education, managerial skills and economics and an interdisciplinary cohesion of these subjects in providing a knowledge base.

- Develop communicative skills, exchange of ideas through oral and written mode, also interpersonal and intrapersonal communication, a thirst for learning through experiential learning and inquiry based learning and advancement to higher education.

- Apply analytical skills, critical thinking, problem solving skills, decision making skills, in solving real life problems and meeting the needs of the society.

- Demonstrate an integrated personality in facing interviews, competitive exams, new challenges and entrepreneurship.

- Recognize the social, political and cultural aspects of the society and exhibit societal and ethical concerns and global awareness.

Postgraduates will be able to

- Explain the advanced concepts, ideas of the concerned discipline such as languages, literature, history, business education, managerial skills and economics and appreciate the interrelatedness among the subjects.

- Identify a problem, search literature, frame hypotheses, analyze it with relevant statistical tools, draw conclusions and interpret the results in written and oral form.

- Exhibit respect to the world around them on ethical consideration and understand the creativity, diversity, contemporary issues in shaping their future and the society.

- Integrate the learned skills and knowledge leading them to noticeable changes in their vision, goals, attitudes and skills.

- Apply employability skills in viewing real world requirements, self development and sustained living.

Scholars will be able to

- Develop intellectual creativity, passionate reading and innovative thinking.

- Demonstrate a quest for lifelong independent learning and pedagogical skills.

- Manage information in application of research methodology to the identified problems, library skills for literature search and technical skills for statistical analyses, organize the ideas into a meaningful scientific report and present it in oral and written means of communication.

- Apply advanced research techniques and demonstrate their understanding their disciplines.

- Exhibit commitment towards research and the society following the codes of ethics, practice and moral values.

PROGRAMME OUTCOMES (POs) – SCIENCE

Undergraduates will be able to

- Discuss current scientific facts, concepts, basic theories and fundamental principles using them to solve societal problems and make informed decisions in scientific contexts.
- Transcribe scientific ideas, arguments and practical experiences and demonstrate laboratory skills in handling new scientific techniques and equipment safely and ethically.
- Understand both the advantages and limitations of science and its application in technological advancements.
- Pursue higher education as an independent learner and become entrepreneurs in the relevant disciplines.
- Formulate strategies to meet community requirements and serve as responsible citizens.

Postgraduates will be able to

- Explain advanced and contemporary concepts, principles and theories within their respective fields to solve real world challenges.
- Utilize observational skills in scientific experiments, derive logical conclusions and present findings in the form of reports.
- Apply intellectual, personal, interpersonal and societal skills to advance their professional careers.
- Equip themselves as capable administrators, educators and researchers while also pursuing higher education as lifelong learners.
- Develop a scientific attitude not only within scientific subjects but also across various life aspects, integrating ethical, moral and social values in personal and social contexts.

Scholars will be able to

- Critically evaluate information and ideas from multiple perspectives and synthesize newer thrusts of knowledge making a contribution to the field.
- Develop communication skills in publicizing the findings of scientific study in oral and written mode.
- Analyze creatively to propose novel ideas in explaining facts and providing new solution to real problems and understand the influence of science in other disciplines.
- Demonstrate a pursuit of knowledge as a lifelong activity combining untiring efforts taking social moral and ethical values into consideration.
- Adopt the results of the research to enhance their scientific integrity, acquire jobs, personal endeavors and live a life of a civilized society.

B.Voc. Programme

At the end of the programme the students will be able to

- The course opens diverse job scopes in various industries like food, fashion, interior designing, hotels, and tourism-based industries.
- Incorporates the requirements of various industries in a flexible manner which develops holistic and well – groomed graduates thus meeting the emerging needs of the economy.
- Aiming at generating a critical mass of industry-employable-skilled-persons to meet the skill gap in different areas of work
- Recognize the benefits and limitations of science and its application in technological developments.
- Ensure that the persons trained and skilled in accordance with the norms laid down are assured of employment at decent wages.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

ARABIC

B.A. Arabic

At the end of the Programme the Students will be able to

- Appreciate classical and modern literature and poetry.

- Articulate knowledge of major literary, artistic and cultural works and figures associated with Arabic Language.

- Describe the nature, functions, evolution, linguistic concepts of Arabic Language pertaining to Listening, Speaking, Reading and Writing Skills.

- Translate and transcribe basic language structures from Arabic to English and Vice Versa.

- Integrate Arabic language proficiencies, technological skills to effectively perform tasks typical of today's globalised work environment and environmental issues.

M.A. Arabic

At the end of the Programme the Students will be able to

- Recognize the role of Islamic legislation and Philosophy in Classical Arabic literature.

- Demonstrate the ability of communicating in Arabic language both in oral and written form.

- Translate and interpret Arabic literature into English language.

- Compare and contrast the classical literature with modern literature and Indo Arabic literature.

- Consolidate the Arabic Literature for competitive exams to acquire jobs in Arabic career.

M.Phil Arabic

At the end of the Programme the Scholars will be able to

- Summarize the history of Arabic literature.

- Outline the research methods, investigation procedures, use of statistical analyses to carry out research projects and publish papers in journals.

- Adapt and apply teaching learning skills in Arabic language.

- Investigate a research problem and formulate possible solutions pertaining to Arabic language and literature ethically.

- Evaluate the societal issues, problems prevalent in language learning for shaping a better learned society.

BIOTECHNOLOGY

B.Sc. Biotechnology

At the end of the Programme the Students will be able to

- Demonstrate a base of knowledge on the fundamentals of biotechnology and technical concepts in the field of biotechnology.

- Recognize the importance of bioethics, IPR, entrepreneurship, communication and managerial skills as instrumental to future biotechnologist.

- Discuss the domains of biotechnology and their applications in industrial research, scientifically and ethically.

- Employ basic laboratory skills for research in biotechnology and interdisciplinary aspects of biotechnology using scientific methods to explore natural phenomena.

- Combine the principles of biotechnology and its interdisciplinary concepts for finding solutions to contemporary biological questions.

M.Sc.Biotechnology

At the end of the Programme the Students will be able to

- Discuss the principles and the applications of molecular biology, methods with an emphasis on the application of recombinant DNA technology to animals, plants and microbes.

- Explain the concepts and applications of monoclonal antibody technology, use of mammalian cells for the production of pharmaceutical products.

- Relate the applications of biotechnology and advances in the different areas like medical, environmental, agricultural, veterinary and forensic sciences.

- Apply technical skills necessary to support biotechnology research study.

- Extrapolate the scope for career in biosciences by getting through competitive exams or through research undertakings.

M.Phil. Biotechnology

At the end of the Programme the Scholars will be able to

- Demonstrate critical understanding of advanced level of updated knowledge in the field of biotechnology.

- Apply the knowledge of teaching learning skills in personal and professional life.

- Integrate life-long learning skills and academic advancements.

- Appraise biotechnological research using theoretical knowledge and practical application of laboratory equipments critically and systematically.

- Prepare research project reports for publication in journals and present them orally and in written form.

Post Graduate Diploma in Fermentation Technology

At the end of the Programme the Students will be able to

- Describe the basic concepts in biomolecules and microbial biochemistry.

- Explain the principles of fermentation technology, use of biocatalysts and biotransformation involved in the bioprocess.

- Illustrate the process of industrial fermentation, bio process of animal and plant cell and the role of enzymes in fermentation.

- Summarize the steps in downstream processing.

- Evaluate the cost effective fermentation process and bioprocess in compliance with market demand.

Post Graduate Diploma in Bioinformatics

At the end of the Programme the Students will be able to

- Explain the fundamental principles of Bioinformatics and statistical applications in bio informatics.

- Outline the process of generation, manipulation and representation of molecules for drug modeling.

- Describe the basic structure of biological molecules, process of acquiring the structures and the interaction between the molecules.

- Develop and apply basic computer programming to build biological algorithms and models to study their relationships.

- Deduce the interrelationship between genomics and Proteomics, techniques involved in analyzing proteomics and its applications.

BOTANY

B.Sc. Botany

At the end of the Programme the Students will be able to

- Recall the range of plant diversity in terms of structures, function, environment relationship and classification of plants.

- Develop basic knowledge to make a substantial contribution in environmental science for the biodiversity conservation and sustainable use of natural resources.

- Apply the practical skills of handling laboratory equipments in the field and in the laboratory, safely.

- Generate employment opportunities through self employed entrepreneurial skill and competitive exams.

- Construct multidisciplinary and interdisciplinary knowledge for the promotion of communities, population and ecosystems.

M.Sc. Botany

At the end of the Programme the Students will be able to

- Identify various group of plants, their functions, utilization and conservation aspects and give scientific explanation for the unity and diversity on earth.

- Demonstrate knowledge on primary and modern techniques in terms of theory and practical application and also handling of laboratory equipments for biological research.

- Combine the knowledge of interdisciplinary subjects such as molecular biology, Biotechnology, Bioinformatics and Biostatistics for the mitigation of biodiversity and environmental issues.

- Apply the cultivation of sea weeds, floriculture and plant tissue culture for entrepreneurship and commercialization.

- Appraise various analytical techniques for planning and execution of biological experiments, and drafting them as a report.

M.Phil Botany

At the end of the Programme the Scholars will be able to

- Outline the recent advances in Botany such as molecular taxonomy, sequence analysis, analytical, statistical methods for the specific areas of research.

- Illustrate the teaching learning skills by being proponent in the classroom and laboratory setup.

- Organize the laboratory practices and experimentation, compile and communicate,them into research report based on the principles of thesis writing and research publication.

- Approve changes in environment with high integrity and transport ethical professionals.

- Conceive opportunities for higher education and research career.

BUSINESS ADMINISTRATION

B.B.A.

At the end of the Programme the Students will be able to

- Demonstrate basic understanding of underlying relationship of Management, Accounting Finance, Economics, Marketing and Management information systems.

- Associate knowledge on specialized areas such as Human resource management, Finance and Marketing to address global and local issues in business administration.

- Apply statistical, mathematical and technological tools for business presentations, solve business and marketing problems, decision making and for developing marketing plans and strategies.

- Express business issues, management concepts, plans and decisions both in oral and written form, exhibiting leadership and managerial skills blending ethical issues and social responsibilities.

- Employ cost accounting principles and techniques for analyzing the cost components to facilitate managerial decision making.

BBA. Aviation Management

At the end of the programme the students will be able to

- Demonstrate a basic understanding of aviation industry operations, regulations, and management principles related to airport management, aviation safety, air traffic control, aviation law, aviation security, and airline operations.

- Associate knowledge on specialized areas such as aviation marketing, aviation finance, aviation economics, and aviation human resources management to address global and local issues in aviation administration.

- Apply statistical, mathematical, and technological tools such as aircraft performance software, aviation data analysis software, and aviation simulation software to analyze aviation data, develop business plans, and make informed decisions in the aviation industry.

- Communicate effectively and exhibit leadership and managerial skills in oral and written forms, considering ethical and social responsibilities in the aviation industry, with emphasis on aviation English and technical report writing.

- Employ cost accounting principles and techniques such as activity-based costing and budgeting to analyze cost components and financial data, and facilitate managerial decision-making in aviation operations.

Management Studies (M.B.A)

At the end of the programme the students will be able to

- Integrate the tools and concepts of various functional areas of Management to investigate and solve the critical and specific business problems.

- Explore new business opportunities, design and Implement innovations in business organizations.

- Apply analytical skills, knowledge of business theory and practices to take effective managerial decisions.

- Evaluating legal practices, ethical and social values in business.

- Create avenues for diversified workforce through multicultural perspective.

M.Phil. Management Studies

At the end of the programme the scholars will be able to

- The Students will become creative and innovative thinking.

- The Students continue to develop pedagogical skills and learn

- independently.

- Involved in advanced research techniques to exhibit their understanding of knowledge and concepts.

- Students will manage information effectively including research methodology, usage of library and other facility.

- Students will commit to research ethics and code of practice including moral values.

PGDIBFM

At the end of the Programme the Students will be able to

- Explain basic concepts and theories in managerial Economics, Financial accounting, cost accounting and Banking.

- Identify the relationship between banking and Islamic law and connectivity within Islamic banking and finance.

- Analyze a problem in banking based on Islamic law and banking features, provide solutions and report them in writing.

- Formulate Islamic investment prospects and portfolio management guided by Islamic Shariah.

- Develop as socially responsible citizens with integrity and attending societal problems ethically.

CHEMISTRY

B.Sc. Chemistry

At the end of the Programme the Students will be able to

- Discuss the fundamental and application of current chemical and scientific theories in the core areas such as inorganic, organic and physical chemistry and applied areas of chemistry such as Agricultural chemistry, Nutritional chemistry, Drug Chemistry and Water Chemistry.
- Design, carry out chemical experiments in laboratory following using modern instruments and classical techniques safe use of equipments and chemicals, interpretation and documentation of the results and communicate through thesis writing and research publications.
- Apply appropriate techniques for the analysis of chemicals in research and development laboratories and industries, leading to employment opportunities in chemical industries as a chemist.
- Formulate solutions to address current problems through chemical principles in a variety of fields and evaluate the potential impact chemistry may have on society, health, and the environment.
- Explain, integrate and apply relevant knowledge to problems that emerge from the broader interdisciplinary subfields and probable solutions for environmental problems.

M.Sc. Chemistry

At the end of the Programme the Students will be able to

- Explain advanced concepts of Inorganic, Organic and Physical Chemistry and integrate knowledge in discipline specific areas.
- Design chemical reactions and their mechanism using a variety of chemical instrumentation, laboratory techniques, statistical and computational methods and interpret it as scientific reports through oral and written means.
- Apply modern instruments and technologies and classical equipments in execution of chemical experiments, recognizing the uncertainties and error in experimental measurements following the ethical standards as chemists.
- Examine the importance of chemistry in dealing with political, social, environmental and societal problems due to chemicals and plausible remedial measures for sustainable society.
- Identify career prospects as chemists in research and development organizations or through entrepreneurial associateship.

M.Phil. Chemistry

At the end of the Programme the Scholars will be able to

- Identify current topics of chemical research, and perform either basic, applied or transdisciplinary research based on theoretical concepts and facts.
- Examine the possibilities of solutions to societal problems caused through hazardous chemicals through scientific research conducted with appropriate use of safety measures and ethical considerations.
- Apply the teaching learning knowledge for personal and professional growth in the classroom and affiliated setup.
- Describe the instrumental and computational methods of chemical research.
- Devise employment openings, foundational on theoretical and applied understanding of chemicals and chemical reactions by getting through competitive exams or as an entrepreneur.

COMMERCE

B.Com.

At the end of the Programme the Students will be able to

- Discuss principles and concepts in the areas of accounting and use of them in different types of business organizations and acquaintance with the procedure of preparation and analysis of financial statements for external users and managers for business transactions and managerial decision making.

- Explain the types of business organizations, office management, regarding legal frame work governing the business world management of human resources within the organization, marketing strategies, insurance, industrial relations and corporate ship.

- Create, select, and apply appropriate techniques, resources, and modern statistical tools & software for economic problems and for the cultural, societal, and environmental considerations.

- Exhibit entrepreneurial skill through knowledge in the finance institution, project report incentives and subsidies and adapt to the ever changing business environment.

- Analyze the impact of the professional accounting solutions in societal and environmental contexts.

B.Com International Finance

At the end of the programme the students will be able to

- Apply the Principles and Practices of Accounting and Finance in preparing and analyzing the Financial statements of different kinds of business organisation which will provide relevant information for internal as well as external users

- Adopt comprehensive problem solving skills in management perspective taking into consideration the global financial reporting standards.

- Apply the practical skills in Financial Management and Management Accounting which will help to pursue and complete the Certified Management Accountant Course of USA to ignite their career in the field of International Finance at global level

- Identify and evaluate the complexities of global business environment with respect to Legal, Political, Cultural and Technological perspectives and manage them in order to contribute to the sustainability of the business.

- Understand the conceptual framework pertaining to Indian as well as global financial system and involve in thrust areas of research in finance.

M.Com.

At the end of the Programme the Students will be able to

- Discuss application oriented knowledge and understanding of contemporary trends in business and the techniques of managing the business with special focus on the functional areas of management both at domestic and international level.

- Employ skills and strategies in the chosen field at different capacities for the successful functioning of the Industries, Finance and Investment, logistics, distribution channel management and application of information technology in business to meet the well trained manpower requirements.

- Create employment possibility in management sectors as managers, financial accountants, cost accountants, auditors, company secretaries, teachers and bank managers with an ethical awareness.

- Apply different research methodologies of research and proficient use of statistical methods and tools for modeling and analysis of data management, accounting techniques on undertaking research in varied fields of commerce.

- Prepare and analyze financial statements, financial reports, and the provisions of Income Tax Act and their applications in computations of taxable income of an individual under different heads of income.

M.Phil. Commerce

At the end of the Programme the Scholars will be able to

- Explain the functional areas of management.

- Design, develop and execute specific research problems in commerce and adjoining areas and present a technical report in oral and written form.

- Apply teaching learning skills in the classroom and for personal advancement.

- Recognize the employment opportunities in alliance with commerce subject on attempting entrepreneurship, getting employed in companies or qualifying national level examinations.

- Recommend solutions to business world problems and thereby meeting the demands of society in the cultural, social, economical and environmental contexts.

COMPUTER APPLICATIONS

B.C.A.

At the end of the Programme the Students will be able to

- Discuss the programming languages C, C+, Java, Python and other operating systems and database management systems.
- Apply the numerical and statistical methods and the principles of accountancy for computation and operations research and communicate them in written and oral mode.
- Illustrate scripting languages and practical application of data analytical tools and software testing tool to solve problems in computer operating systems.
- Employ multimedia, data communications, networking principles, office automation, image editing tools and the concept of software engineering in business contexts.
- Recognize the social and ethical issues in media operated systems and apply the knowledge of Mathematics and management in computer applications to advance in studies and professionalism.

M.C.A.

At the end of the Programme the Students will be able to

- Express computing fundamentals, basic Mathematics, Computing specialization, and domain Knowledge of proper computing models for defined problems.
- Develop and apply computer based applications to solve real problems and recognize the technological developments in the usage of modern design and development tools to design a variety of applications.
- Recall management principles and apply them to develop software as a team member and manage projects efficiently for multidisciplinary environments.
- Associate multidisciplinary knowledge through real-time projects and industry training and providing a sustainable competitive edge in R&D and meeting industry requirements.
- Choose career prospects in industry, government sectors, academia, research, consultancy firms and entrepreneurship pursuit.

PGDCA

At the end of the Programme the Students will be able to

- Explain the programming in C, principles of accountancy, office automation, visual programming, shell programming and web designing.
- Compute practical application of editing, programming, web designing and visual programming using domain knowledge.
- Demonstrate creativity, develop innovative ideas and to work in teams to accomplish a common goal.
- Define and solve problems individually and with groups, using a variety of resources and methods, including technology and scientific reporting.
- Conceive employability and entrepreneur skills bearing ethics and social responsibility.

COMPUTER SCIENCE

B.Sc. Computer Science

At the end of the Programme the Students will be able to

- Discuss the fundamental theories, concepts, Algorithms, Data Structures, Programming Languages, Compliers and Computer hardware and architecture and their applications in computer science.
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline and evaluate the impact of technological advances in the society and the social, legal, ethical and cultural ramifications of computer technology.
- Appraise computation and programming, the theoretical basis of the mathematics and symbolic concepts that underlie computing and communicate in a collaborative environment, present ideas, and document work at all stages of software development.
- Analyze problems and design algorithms, execution of programs written in C++ language, identify the components of a computer and the organization of those components, map statements and constructs in a high-level language into a sequence of machine instructions to solve real life problems.
- Use current techniques, skills, and tools necessary for computing practice for acquiring job in the field of computer science and its allied areas, engaging in continuous professional development through lifelong learning.

M.Sc.Computer Science

At the end of the Programme the Students will be able to

- Exhibit proficiency in basic computer applications, theoretical dimensions and its application in various fields.
- Analyze the local and global impact of computing on individuals, organizations and society, blending analytical, logical and technical aspects and become lifelong learners and contributors to society.
- Apply analytical and computational approaches on changing societal and technological challenges to meet desired needs within realistic constraints with positive attitude and develop computer applications using modern tools and techniques.
- Discover employment possibilities through self employed entrepreneurs, jobs in computer and related companies or by qualifying competitive examinations.
- Transcribe concepts and results to a technical audience in the form of a technical report and/or an oral presentation on recognizing the professional, ethical, legal, security and social issues and responsibilities

M.Phil. Computer Science

At the end of the Programme the Scholars will be able to

- Express the social, cultural and ethical impact of the latest computer technologies on the society and the impact of research in environmental contexts that promotes societal developments.
- Apply and analyze research-based knowledge and research methods to provide valid conclusions and decisions and prepare a scientific report.
- Apply the modern concepts of computer science in research by utilizing the latest and advanced tools of computation concerning the moral, ethical and social values.
- Appraise the theoretical knowledge of teaching learning skills inside the classroom and personal development.
- Select employment provisions in the relevant field either through research or competitive exams and engage in independent and lifelong learning in the broadest context of technological change.

ECONOMICS

B.A. Economics

At the end of the Programme the Students will be able to

- Deduce reasonable predictions about possible economic outcomes based upon economic conditions and economic theories.
- Analyze data to support economic decision making using technologically advanced statistical tools and econometric techniques proceeded by economic evaluation and presentation of the results in a professional setting
- Describe how economic trade-offs and social values impact public/private social policy, and the success or failure of policies to achieve intended outcomes.
- Explain basic economic concepts such as GDP, unemployment, supply & demand, comparative advantage, opportunity cost and micro-economic concepts such as elasticity, monopoly and price discrimination, fiscal and monetary policies and measures of economic change and indicators of growth and development.
- Discuss the nuances of Public Finance and Environmental Economics, and correlate ideas from interdisciplinary areas such as Marketing, Human Resource Management, Managerial Economics, Financial Economics and Entrepreneurial development.

M.A. Economics

At the end of the Programme the Students will be able to

- Explain new developments and contemporary issues in the field of economics and advanced theories in micro, macro and monetary economics.
- Identify economic problems and apply empirical evidence to economic arguments, by collecting evidences using appropriate statistical techniques, and interpret the results of such analyses imbibing research ethics.
- Organize global and disciplinary knowledge and practical skills for professional development in higher education and for obtaining job.
- Transcribe in diverse audiences and situations using equations and graphs and demonstrate skills in business and accounting.
- Apply pragmatic, principles-based policies to enhance economic well-being and promote social justice.

M.Phil Economics

At the end of the Programme the Scholars will be able to

- Apply empirical evidence to evaluate the validity of an economic argument, use statistical methodology, interpret statistical results and conduct appropriate statistical analysis of data.
- Prepare a scientific report based on evidences and disseminate convincing statements through oral and written mode for current economic problems and intended economic crisis.
- Develop teaching and learning skills in the relevant field and practice it in the classroom and for self development.
- Recognize advanced theories in economics and the technical application in addressing real world problems for the economic and social well being of the masses.
- Identify career in the field of economics and its adjoining sectors through self employment or competitive exams.

ENGLISH

B.A. English

At the end of the Programme the Students will be able to

- Explain the classic, contemporary and modern literary forms in relation to the salient features and literary traditions of the historical age of writing and state the proximity of life and literature.
- Demonstrate English language skills in listening, speaking, reading and writing by engaging learners in a range of communicative tasks and activities including business settings.
- Transcribe the history of English literature and English language and various literary genres along with world literature.
- Discuss the place of Indian writing in English and the exponents of Indian writing and their literary works.
- Evaluate the concepts of literary critics and their contribution to English literature and English language teaching in India.

M.A. English

At the end of the Programme the Students will be able to

- Analyze works of literature in one or more interpretive contexts or frameworks and use one or more theoretical approaches for literary interpretation.
- Outline basic functions in literary texts with historical, social and political contexts writing techniques, constitutive of individual genres.
- Express literary movements, favoured genres and the development of literary forms.
- Integrate learned skills and knowledge leading them to noticeable changes in their vision, goals, attitudes and skills.
- Recognize employment requiring application of language and literature skills and evolve as a lifelong learner for professional development.
- Demonstrate an ability to communicate and proficiency in the four skills of language Listening, Speaking, Reading and Writing in real world circumstances and a quest for reading and research skills.

M.Phil English

At the end of the Programme the Scholars will be able to

- Transcribe analytically in a variety of formats, including essays, research papers, reflective writing, and critical reviews of secondary sources.
- Identify, analyze, interpret and describe the critical ideas, values, and themes that appear in literary and cultural texts and understand the way these ideas, values, and themes inform and impact culture and society, in contemporary and ancient times.
- Explain the ideals and conditions for literary research, common and basic scholarly requirements of logical and empirical rigor in undertaking a research based on research ethics and socially responsible citizens.
- Adopt the teaching learning skills in teaching English language and literature and in personal improvement for academic excellence.
- Outline the contemporary literary theory and its relatedness to literatures of the past.

FASHION TECHNOLOGY & COSTUME DESIGNING

B.Sc. Fashion Technology

At the end of the programme the students will be able to

- Express the basic concepts of designing, drafting, methods of pattern making and its alteration with techniques for garment construction and skills on Photoshop and Corel Draw.

- Explain the conceptual theories of textile science and fabric construction and to expertise in merchandising, quality control and its specification in apparel industry.

- Analyze recent trends and design market friendly, sustainable, ethnically and viable design textile products and use modern design in apparel product and process development.

- Identify employability as a fashion designer either self employed or work in fashion designing sectors.

- Students gain knowledge of various fashion styles, visual aesthetics for photography and the basic of photography.

M.Sc. Fashion Technology

At the end of the programme the students will be able to

- Analyze and develop their own style in designing fabrics and designing of different brands.

- Adapt new eco-friendly technologies in textile designing and skills for professional growth and transform into able administrator and educators with enriched social and ethical values.

- Apply the theories and skills to solve real time problems in apparel design and work as a team in an organization and become accomplished successful designers, entrepreneurs or industry ready professionals.

- Demonstrate knowledge in fashion designing software such as rich peace fashion studio, rich peace pattern making CAD, Photoshop and Corel Draw.

- Develop visual merchandising & management skills for a profitable fashion boutique

B.Voc. Apparel and Fashion Design

At the end of the Programme the Students will be able to

- Discuss design process, clothing psychology, fabric manufacturing, marketing and functioning of a fashion industry.

- Demonstrate sewing techniques, and apparel designing for girl's wear, boy's wear, women's wear and men's wear.

- Apply technical knowledge in making accessories, apparel draping, materials selection, embroidery and fabric painting.

- Employ computer technologies in fashion designing and develop an entrepreneurial skill to meet market demands.

- Assess market and consumer factors that influence apparel and textile merchandising and marketing decisions.

HISTORY

B.A. History

At the end of the Programme the Students will be able to

- Outline the past socio-cultural, political and economic condition of the people in the world and the change that occurred in the due course of time.
- Discuss concepts related to Archaeology, Journalism, Human Rights, Tourism and Political Science, and social political religious and economic condition of India through the ages.
- Analyze the socio-political, economic and philosophical thoughts of personalities that helped to shape the mankind in the modern world and constitutional development of the countries around the world and India in particular.
- Transcribe the basic concepts, theories and principles of geographical phenomena and environment and climatic conditions, reflect on the life of the people and the past glory of Tamil culture and the social, political, religious and economic condition of Tamil Nadu through the ages.
- Identify employment and/or advance in higher education on application of basic understanding of historical perspectives of India and the world.

M.A. History

At the end of the Programme the Students will be able to

- Express terms, concepts, events, ideals, personalities and principles in Indian History.
- Analyze the various ways of life, belief, political, economic, social and cultural development of the world and particularly the socio-cultural heritage of Arabs.
- Explain international relations, origin of war and the maintenance of peace, the executive power, character of state and non-state actor, contemporary global issues and importance of world peace.
- Identify ancient monuments, inscriptions, literature and the glorious past of Tamil Nadu and appreciate its historical richness.
- Apply historical research method and present the findings as a project report and get through competitive exams proposing career openings.

M.Phil History

At the end of the Programme the Scholars will be able to

- Recognize the diversity of human experience, including ethnicity, race, language, sex, gender, as well as political, economic, social, and cultural structures over time and space.
- Demonstrate historical research skills in conceptualizing and executing original research work and expressing their thoughts clearly and coherently both in writing and orally.
- Exhibit mastery in teaching and learning skills inside classroom teaching and involves in life-long learning for self growth.
- Outline the historiography of world history and India history and connectedness of the past and the modern world.
- Appraise employment probabilities through application of research skills or qualifying competitive examinations enduring life-long learning.

HOTEL MANAGEMENT & CATERING SCIENCE

B.Sc. Hotel Management & Catering Science

At the end of the Programme the Students will be able to

- Discuss the basic of cookery and variety of cookeries such as Asian cookery, European Cookery, Food and beverage services.

- Outline the entry level management operations with a specific focus on individual, social and environmental perspectives and professional preparation, presentation and service of quality food.

- Evaluate and apply vocationally relevant concepts of operational and strategic management.

- Integrate human, financial and physical resources for in providing service to the customers and food service operations practicing industry defined work ethics.

- Identify problems in the work field and management strategies to work with people from diverse cultural background

B.Voc. Programme (Tourism and Hospitality Management)

At the end of the Programme the Students will be able to

- Understand and demonstrate the core technical, analytical and conceptual skills   appropriate for tourism and hospitality

- Comprehend and articulate the written and oral communication as appropriate for tourism and hospitality environments.

- Develop fundamental in-depth knowledge and understanding of the techniques, principles, concepts, values, substantive rules and development of the core areas of tourism and hospitality.

- Apply the work-readiness knowledge and skills in different levels of management operations with a specific focus on individual, social and environmental perspectives relevant to Tourism and Hospitality.

- Function effectively as an individual and as a member or leader in teams, and in multidisciplinary settings by demonstrating life skills, coping skills and human values.

INFORMATION TECHNOLOGY

B.Sc. IT with Cyber Security

At the end of the programme the students will be able to

- Understand the basics of cyber security, network security, and ethical hacking to protect digital systems and data.

- Acquire skills in programming languages like C, C++, Java, and Python, and apply them to build secure software applications.

- Learn how to integrate advanced technologies such as cloud computing, blockchain, and AI to enhance cyber security measures.

- Familiarize cyber laws and ethical considerations, ensuring responsible and compliant cyber security practices.

- Develop hands-on expertise through labs and real-world scenarios in areas like digital forensics, penetration testing, and network defence.

M.Sc. Information Technology

At the end of the Programme the Students will be able to

- Demonstrate foundational knowledge on .NET technology. Data structures, Algorithms, Java programming, Web services and software testing.

- Develop and implement optimal solutions to complex computing problems using industry-recognized best practices and standards.

- Apply ethical decision making and societal concerns in the development, implementation, and management of IT systems and cyber security.

- Combine analytical logical and technical aspects to resolve issues in artificial intelligence, machine learning and real time problems.

- Identify employment prospects in local and international companies or business enterprise and/or competitive exams.

MATHEMATICS

B.Sc. Mathematics

At the end of the Programme the Students will be able to

- Remember the various fundamental mathematical concepts.

- Understand the basic mathematical definitions, notations, terminology, etc.

- Apply the theoretical concepts and mathematical techniques for developing the problem solving skills.

- Improve the logical skills by analysing many problems.

- Demonstrate the working knowledge of mathematics in their careers and progress in higher education

M.Sc. Mathematics

At the end of the programme the students will be able to

- Understand the fundamental mathematical axioms and ability to develop ideas based on them.

- Impart knowledge of a variety of mathematical procedures and apply the mathematical concepts in various fields.

- Acquire the knowledge of pure, applied mathematics and analyse the concepts on different topics.

- Develop the ability to solve problems using various mathematical concepts.

- Create employment prospects through application of mathematical concepts and work independently and be a perpetual learner.

M.Phil Mathematics

At the end of the Programme the Scholars will be able to

- Analyse and judge the validity of rigorous mathematical arguments and carry out research in mathematical problems and formulate complete, concise, and correct mathematical proofs.

- Utilize a variety of teaching techniques and classroom strategies to positively influence student learning and also for one's own development.

- Transcribe mathematical ideas, terminology and notation as a report and oral also make oral presentations.

- Apply domain knowledge, conceptual and practical knowledge of mathematics in various fields and real time situations and execute a research study ethically.

- Conceive employability and professional development through problem solving skills and become a continual learner.

MICROBIOLOGY

B.Sc. Microbiology

At the end of the Programme the Students will be able to

- Demonstrate a rational understanding of the diversity of microorgansisms, structure, functions, their role in the biosphere, bioinformatics and biostatistics.
- Identify the microorganisms, classify them based on their morphological characteristics and the relationship between them and the environment.
- Explain the fundamental concepts, processes, core theories and practices within microbiology, immunology and clinical microbiology.
- Apply the tools, technologies and scientific methods for laboratory and conventional investigations safely and formulate valid conclusions based on the results in the field of microbiology and its associated areas.
- Describe the role of microbes in human, food and diary technology, agriculture, the process of heritable information in microorganisms and forming new genetic combinations through recombinant DNA
- Recognize bio safety measures, intellectual property rights and explore career options in the field of microbiology.

M.Sc. Microbiology

At the end of the Programme the Students will be able to

- Describe the cell structure, functions, their characteristics, cultivation methods, concept of culture, type of culture and microbial techniques.
- Construct the use of microbial knowledge in genetics, genetic engineering, fermentation technology, medical microbiology and waste management.
- Identify the ways microorganisms play an integral role in disease, and microbial and immunological methodologies, are used in disease treatment and prevention.
- Devise and execute safe laboratory experiments following the research ethics and presentation of reports.
- Locate career options in and related field of microbiology either through competitive examinations or entrepreneurial activities.

M.Phil Microbiology

At the end of the Programme the Scholars will be able to

- Recognize and critically use the theoretical understanding of the subject in questioning and plausible explanations.
- Design and implement effective strategies in carrying out a research in microbiology, possible solutions for the benefits of the biosphere.
- Transcribe research reports for the advancement in career and journal publications.
- Utilize the knowledge of teaching learning skills into one's own professional life.
- Locate the use and implementation of modern technologies in research.

NUTRITION AND DIETETICS

B.Sc. Nutrition and Dietetics

At the end of the Programme the Students will be able to

- Recognize the interrelationship between food, nutrition and health and the food choices to make that will optimize the health and prevents diseases.
- Utilize nutrition care process to make decisions to identify nutrition-related problems, and determine and evaluate nutrition interventions.
- Describe the governance of nutrition and dietetics practice, such as the Scope of Nutrition and Dietetics Practice and the Code of Ethics for the Profession of Nutrition and Dietetics; and describe inter-professional relationships in various practice settings.
- Organize the translation of food, nutrition and diet towards promotion of health and nutritional well being of society, bearing social responsibility and ethics.
- Deduce careers opportunities as caring, innovative nutritionists, dietitians and entrepreneurs and meet the complex needs of the evolving health care system.

M.Sc. Nutrition and Dietetics

At the end of the Programme the Students will be able to

- Explain the concepts of Nutrition and Dietetics in enhancing health among the people and diet planning and counseling for general and specific diseases as a dietitian.
- Identify problems associated with nutrition and health and evolve strategies to overcome them within appropriate ethical, legal limits and food safety measures.
- Generate efficient methods for providing information, advice and professional opinion to individuals, groups and communities on nutrition and dieting for healthy living.
- Illustrate the role of microorganisms in creation or contamination of food and preservation of food products using latest advancements.
- Devise employability in various sectors such as food industry, hospitality industry or independent workers as nutritionists.

B.Voc. Programme (Food Processing and Safety)

At the end of the Programme the Students will be able to

- Increases employability of the graduates and meet industry demand for human resources.
- Provide a robust and vibrant eco-system for students with excellent skills in the Food Processing Sector in the country
- Demonstrate an ability to pursue higher education as an independent learner and become entrepreneurs in the relevant discipline.
- Devise strategies to meet community requirements and serve as responsible citizens. Increases the scope for self-employment as small, medium or large scale entrepreneur in food industry

M.Phil. Nutrition and Dietetics

At the end of the Programme the Scholars will be able to

- Integrate knowledge of research principles and methods associated with nutrition and dietetics practice in solving problems in the disciplinary area.
- Utilize the principles of nutrition and dietetics, identifying appropriate literature, execute data collection and interpretation and dissemination of the findings as a project report.
- Apply various teaching and learning techniques for effective teaching in the classroom and obtain career prospects in the specific discipline, qualifying competitive exams and/or self employment.
- Outline the recent trends and advancements in Nutrition and dietetics and examine ways to improve food products for societal wellbeing.
- Develop as responsible citizens with ethics and societal concerns.

PHYSICS

B.Sc. Physics

At the end of the Programme the Students will be able to

- Demonstrate conversance in properties of matter, mechanics, relativity, thermal physics, atomic physics, nuclear physics, general physics and medical physics.
- Create scientific temperament and inquisitiveness and an awareness of the impact of Physics on the environment, society, and development outside the scientific community.
- Summarize interdisciplinary and relationship between the concepts of Physics with Chemistry, and Mathematics representing multiple representation of scientific information.
- Apply advanced tools, equipments and laboratory skills in Physics experiments draw logical conclusions and interpret the results into a research report.
- Adopt physics concepts to solve simple problems in electronic devices and perform jobs in the relevant field.

M.Sc. Physics

At the end of the Programme the Students will be able to

- Describe the advanced concepts of classical Physics, General Physics, Nuclear and Particle Physics, Medical Physics, their corollaries and application of them in natural phenomena.
- Apply problem solving skills, computer programming and numerical simulations to solve problems and appreciate the innate beauty of Physics.
- Develop a spirit of scientific reasoning, undertaking scientific research beneficial for the world and people who live in and propagation of results as a written report.
- Devise leadership strategies and find ways to apply working knowledge of Physics in advancement to higher education and career coupled with desire to be a life-long learner.
- Evaluate the role of Physics in enhancing the life of the people and involve in community building activities.

M.Phil. Physics

At the end of the Programme the Scholars will be able to

- Apply basic computational techniques for modeling physical systems, systematically explore physical phenomena by setting up experiments, collecting and analyzing data, and interpreting their results.
- Develop scientific reasoning and scientific outlook in addressing the problems of the society and evolving solutions on the theoretical foundation of Physics.
- Adopt Mathematical, analytical, simulation tools in carrying out basic, applied and interdisciplinary research and unravel scientific mysteries thorough conscientious efforts.
- Transcribe the results as a scientific report and propagate the scientific ideas through publication.
- Demonstrate an ability to handle the classroom teaching effectively, using teaching and learning skills and find employment through entrepreneurial endeavor and competitive exams.

SOCIAL WORK

M.S.W.

At the end of the Programme the Students will be able to

- Discuss the nature of social work profession, ideals virtues of social work and effectual way of working as individual within groups and families.

- Demonstrate ethical, professional and social demeanor social workers and engage in lifelong learning and personality development.

- Apply knowledge of social systems and human behaviour to promote social change, problem solving in human relationships and the empowerment of people to enhance their well-being.

- Express knowledge of theory, legislation, policy, official inquiry reports and international conventions, to assessment and intervention planning in social work practice.

- Employ social entrepreneurship for sustained living, in changing society by engaging in action projects, research work, networking and Liasoning.

M.Phil. Social Work

At the end of the Programme the Scholars will be able to

- Explain the contemporary issues in social work and the changing trends and global expectation from the social workers.

- Recognize teaching and learning skills adequate for classroom teaching and learning techniques for self improvement in academics.

- Assess the requisite needs of individuals, groups and organizations, carryout a research study and emerge solutions for the welfare of the society following ethics, code of practices and virtues of research.

- Restate the research results in oral and written form and promote the study findings as publications.

- Apply the theories, concepts and knowledge of social issues in enhancing professionalism as an independent worker or through affiliation.

VISUAL COMMUNICATION

B.Sc. Visual Communication

At the end of the Programme the Students will be able to

- Explain the scope of visual communication, its meaning, significance, basics of advertising, graphic design and communication theories with the sense of aesthetics.

- Create various art forms and develop as interactive designers, website developers, motion graphics designers and mobile app designers by way of effective transference of ideas.

- Discover and analyze visual persuasion, photography, graphic design, cultural and ethical issues, visualization of ideas within a specific historical, cultural, and commercial context.

- Utilize professional equipment and techniques to capture images and video adhering to industry standards, analysis of visuals, adding visual effects, production of audios and videos abiding to the media laws and ethics.

- Devise employment projection as media personnel, photographer, advertising agencies and any other position relevant to the field and/or pursue higher education.

B.Voc. Programme (Media Production)

At the end of the Programme the Students will be able to

- Explain the scope of Media and Entertainment, its meaning, significance, basics of advertising, graphic design, visual communication, media production with the sense of aesthetics.

- Create various art forms and develop as interactive designers, social media managers, motion graphics designers and managing events by way of effective transference of ideas.

- Discover and analyze visual persuasion, photography, graphic design, cultural and ethical issues, visualization of ideas within a specific historical, cultural, and commercial context.

- Utilize professional equipment and techniques to capture images and video adhering to industry standards, analysis of visuals, adding visual effects, content creating for print, electronic, new media content by abiding to the media laws and ethics.

- Devise employment projection as media personnel, photographer, sound designer, social media manager, digital marketing manager, advertising agencies and any other position relevant to the field and/or pursue higher education.

ZOOLOGY

B.Sc. Zoology

At the end of the Programme the Students will be able to

- Describe the basic concepts of animal science, biology of invertebrates and chordates, cell biology, molecular biology, and physiological features of animals.
- Correlate the complex interactions among the organisms in the environment, the microbes, animals and plants, explicates their relationship with the environment and enhance their employability by entrepreneurial skills and competitive exams.
- Perform laboratory experiments using observational and computational techniques appropriately for the specialized area in biology, safely and ethically.
- Apply the ideas and concepts of Zoology in various fields such as agriculture, medicine, apiculture, aquaculture for balancing ecosystems and sustainability of the environment.
- Integrate information on various sources, formulate arguments, claims the results scientifically and communicate the scientific information as research reports.

M.Sc. Zoology

At the end of the Programme the Students will be able to

- Explain recent advances in developmental Biology, genetics, cell and molecular biology, microbiology and applied entomology.
- Adopt eco-friendly techniques to address biodiversity and conservation of the environment thereby solving real time problems with ethical consideration.
- Apply the theories and interdisciplinary approaches to access literature on the identified problem, formulate hypothesis and employ statistical techniques and present the results as scientific description in oral and written form.
- Examine the use of fundamental zoological sciences in other related disciplines such as Biophysics, Nanotechnology, Bioinstrumentation, Bioinformatics and Farm management to structure growing, population, pollution and other environmental issues.
- Develop scientific personality, a pursuit for continuous learning and capture employability as independent worker or as enriched researchers and teachers.

M.Phil. Zoology

At the end of the Programme the Scholars will be able to

- Express the advances in Biological research, latest equipments, technical tools used in zoological experiments and handling of animals as model organisms.
- Identify, analyze and propose newer solutions to problems in the biological systems based on the legislation of animal research and ethics.
- Adopt teaching and learning skills in the classroom for efficient teaching and in their own life for professional development and to excel in academics.
- Extend the knowledge of zoological sciences for career advancement on entrepreneurship, scientific undertaking or qualify competitive exams.
- Transcribe the scientific information, execute the findings orally in professional settings and grow as socially responsible citizens.

Learning Outcomes Based Curriculum Framework (LOCF)
Regulations for all the Programmes

Approved by the 31st Academic council meeting held on 17-11-2022

(For candidates admitted from the academic year 2023-2024 onwards)

1. Eligibility for UG Programme: 10 + 2 pattern

(i) For Admission (UG): A pass in the Higher Secondary Examination (10 + 2) (Academic / Vocational Stream) conducted by the Government of Tamil Nadu; or an examination accepted as equivalent thereto by the Syndicate of Bharathidasan University, subject to such conditions as may be prescribed thereof.

(ii) For the Degree: The candidates shall have subsequently undergone the prescribed course of study in the 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 thereto.

A. ARTS

S. No.	Name of the Programmes	Eligibility
1.	B.A. Arabic	A pass in 10+2
2.	B.A. Economics	A pass in 10+2
3.	B.A. English	A pass in 10+2
4.	B.A. History	A pass in 10+2
5.	B.A. Literature	A pass in 10+2 with Tamil as a Language Paper
6.	B.B.A.	A pass in 10+2 with Commerce and Accountancy.
7.	BBA. Aviation Management	A pass in 10+2 with Commerce and Accountancy.
8.	B.Com.	A pass in 10+2 with Commerce and Accountancy
9.	B.Com. International Finance	A pass in 10+2 with Commerce and Accountancy

B. SCIENCE

S.No.	Name of the Programmes	Eligibility
1.	B.C.A.	
2.	B.Sc. Computer Science	A Pass in 10+2 with Mathematics as one of the core subjects
4.	B.Sc. IT with Cyber Security	
5.	B.Sc. Fashion Technology and Costume Designing	1. Candidates those who completed their Higher Secondary (+2) 2. Any course in +2 (But they must have English paper also)
6.	B.Sc. Biotechnology	A Pass in 10+2 with Mathematics, Physics, Chemistry and Biology or Physics, Chemistry, Botany and Zoologyas one of the core subjects.
7.	B.Sc. Botany	A Pass in 10+2 Biology with Chemistry
8.	B.Sc. Chemistry	A Pass in 10+2 with Chemistry as one ofthe core subjects
9.	B.Sc. Hotel Management & Catering Science	A Pass in 10+2
10.	B.Sc. Mathematics	A Pass in 10+2 with Mathematics as oneof the core subjects
11.	B.Sc. Microbiology	A Pass in 10+2 with Biology as one of thecore subjects
12.	B.Sc. Nutrition & Dietetics	A Pass in 10+2 with Biology andChemistry / Nursing / Nutrition inVocational stream

13.	B.Sc. Physics	A Pass in 10+2 with Physics andMathematics
14.	B.Sc. Visual Communication	A Pass in 10+2
15.	B.Sc. Zoology	A Pass in 10+2 with Mathematics, Physics, Chemistry and Biology or Physics, Chemistry, Botany and Zoology as one of the core subjects
16.	B.Voc. Food Processing and Safety	A Pass in 10+2 (with no age limit)
17.	B.Voc. Appareland Fashion Design	A Pass in 10+2 (with no age limit)
18.	B.Voc. Media Production	A Pass in 10+2 (with no age limit)
19.	B.Voc. Tourismand Hospitality Management	A Pass in 10+2 (with no age limit)

2. Eligibility for PG Programme:

For Admission (PG): A candidate who is a graduate of this University or any other recognized University with the main subject/ subjects as given below or who has passed the examination accepted by the Syndicate of Bharathidasan University, as equivalent thereto is eligible for admission.

A. ARTS

S.No.	Name of the Programmes	Eligibility
1.	M.A. Arabic	A pass in B.A. Arabic / Afzal-ul-ulama Degree / any Degree with Arabic as Part I language
2.	M.A. Economics	A pass in B.A. Economics /Econometrics
3.	M.A. English	A pass in B.A. English Literature (OR)any degree with English as Part II language
4.	M.A. History	A pass in any Degree
5.	M.A. Tamil	A pass in B.A. Tamil/ B.Lit./B.A. AppliedTamil/ Pulavar Degree (OR) any Degree with Tamil as Part I language
6.	M.B.A.	A pass in any Degree
7.	M.Com.	A pass in B.Com. / Bank Management/ Computer Applications / Financial Management / B.Com. (Applied) / Co-Operation / B.B.A. and other related Programmes equivalent to B.Com.
8.	Master of Social Work (MSW)	A pass in any Degree

B. SCIENCE

S.No.	Name of the Programmes	Eligibility
1.	M.C.A.	Passed BCA/Bachelor Degree in Computer Science Engineering or equivalent degree or passed B.Sc. / B.Com./B.A. with Mathematics at 10+2 level or at Graduation level (with Additional bridge courses as per the norms of the concerned University), obtained atleast 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying examination.
2.	M.Sc. Biotechnology	A pass in B.Sc. with Bio Technology/ Bio-Chemistry/Botany/ Zoology/Microbiology / Biology / Life sciences / Integrated Biology/ B.Sc. with Biological Sciences as one of the subjects (B.E./B.Tech-Biotechnology) / B.Pharm / B.Sc.Agriculture & / B.Sc. Horticulture
3.	M.Sc. Botany	A pass in B.Sc. Botany
4.	M.Sc. Chemistry	A pass in B.Sc. Chemistry
5.	M.Sc. Computer Science	B.Sc. Computer Science, B.Sc. I.T., B.C.A. B.Sc. Software Development of this University or from a recognized University or an examination accepted by the Syndicate as equivalent there to

6.	M.Sc. FashionTechnology and Costume Designing	Candidates must have completed B.Sc. Fashion Technology / Costume Designing / B.Sc. Apparel and Fashion Technology/ B.Sc. Textile Science/ B.Sc. Home Science
7.	M.Sc. Nutrition & Dietetics	B.Sc. Nutrition and Dietetics / Home Science or any Home Science Allied Chemistry / Food Technology / B.Sc. Microbiology with Biochemistry
8.	M.Sc. Information Technology	B.C.A./B.Sc. Computer Science / B.Sc. Information Technology / B.Sc. Software Development or any other degree (with Mathematics as an allied subject / Major subject) or (Computer Science with Mathematics or BusinessMathematics or Statistics at +2 level)of this University or from a recognized University or an examination accepted by the Syndicate as equivalent thereto
9.	M.Sc. Mathematics	A Pass in B.Sc. Mathematics
10.	M.Sc. Microbiology	A pass in B.Sc. with Bio Technology / Bio Chemistry / Botany / Zoology / Microbiology / Bioinformatics / Biology/ Life Sciences / B.Sc. with Biological Sciences as one of the subjects (B.E./ B.Tech in Biotechnology) / B.Pharm /B.Sc. Agriculture / B.Sc. Horticulture
11.	M.Sc. Physics	A Pass in B.Sc. Physics / B.Sc. Electronics / Applied Physics / Fouryear Physics (Honours)
12.	M.Sc. Zoology	A Pass in B.Sc. Zoology

3. Duration

UG Programme : 3 years; PG Programme: 2 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. LOCF - CBCS System

The Learning Outcomes Based Curriculum Framework (LOCF) has been introduced from the academic year 2020-2021 onwords. 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 / Mentoring / laboratory or field work / seminars / practical trainings / Assignments / Report writing etc., to meet the effective teaching and learning needs.

5. Courses in Programmes

(With effect from 2023-2024, Approved by the 31st Academic council meeting held on 17.11.2022)

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. The following are the various categories of courses offered for the UG programmes.

Language Courses (LC) (any one of Arabic, French, Hindi, Tamil, Urdu), English Language Courses (LE), Core Courses (CC), Allied Courses (AC), Discipline Specific Elective Courses (DE), Generic Elective Courses (GE), Skill Enhancement Courses (SE) and Ability Enhancement Compulsory Courses (AE), Extension Activities (EA), Extra Credit Course (EC), Soft Skill Development (SS), Community Outreach (CO), Basic Tamil (BT), Advanced Tamil (AT), Experiential Learning (EL), Project Work (PW).

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. Allied Courses cover two disciplines that are generally related to the main subject of the programme. Any student can earn Extra Credits by completing a course in online during the period of study. To facilitate Advanced learners, Courses with Extra Credit are offered in 5th and 6th semesters. All the Extra Credit Courses are in self study mode and are optional.

6. Ability Enhancement Courses (AE)

There are 3 Ability Enhancement Courses, viz., Value Education, Environmental Studies and Gender Studies. Besides, 2 Skill Enhancement Courses are offered under Part – IV. Any student can earn Extra Credits by completing a course in online during the period of study. To facilitate advance learners, courses with Extra Credit are offered in 5th and 6th semesters. All the Extra Credit Courses are in self study mode and are optional.

Undergraduate Programmes:

COURSE STRUCTURE FOR UG PROGRAMMES w.e.f. 2023-2024 (Without Project)

Part	Sem	Course Specification	No. of Courses	Total Hrs during the Program	No of Credits	Total Credits	Total Marks
I	I-IV	Languages (Arabic, Tamil, Hindi, French, Urdu)	4	24	3	12	400
II	I-IV	English	4	24	3	12	400
III	I-VI	Core Courses (Theory / Practical)	16	73 (6/5/4/3)	6/5/4/3/2	72	1600
	I-IV	Allied Courses	8	30 (5/4/3)	5/4/3/2	24	800
	V&VI	Discipline Specific Electives	3	14	4	12	300
IV	I, III & VI	Ability Enhancement Compulsory Courses (Value Education, Environmental Studies, Gender Studies)	3	5 (2+2+1)	2+2+1	5	300
	II	Soft Skill Development	1	2	2	2	100
	III & IV	Generic Electives	2	4	2	4	200
	IV	Experiential Learning (Internship / Industrial Visit / Field Visit / Case Study / Survey)	1	0	2	2	100
	V	Skill Enhancement Courses	2	4	1	2	200
V	I & II	Community Outreach (JAMCROP)@	--	--	--	@	--
	IV	Extension Activities (NCC, NSS, etc.)	--	--	1	1	--
	V & VI	Extra Credit Courses* (**For advanced learners** (Online Course)	2*	--	*	*	--
	I-VI	Extra Credit Course for all (Online Course)**	1**	--	**	**	--
TOTAL			**44**			**148**	**4400**

@ **Only grades will be given**

* Programme Specific Online Course

** Any Online Course for Enhancing Additional Skills

(For all online courses the credits earned will be added to the total credits of the programme. Not considered for CGPA)

COURSE STRUCTURE FOR UG PROGRAMMES w.e.f. 2023-2024 (With Project – Model 1)

Part	Sem	Course Specification	No. of Courses	Total Hrs during the Program	No of Credits	Total Credits	Total Marks
I	I-IV	Languages (Arabic, Tamil, Hindi, French, Urdu)	4	24	3	12	400
II	I-IV	English	4	24	3	12	400
III	I-VI	Core Courses (Theory / Practical)	15	70 (6/5/4/3)	6/5/4/3/2	70	1500
	VI	Project Work	1	3	2	2	100
	I-IV	Allied Courses	8	30 (5/4/3)	5/4/3/2	24	800
	V&VI	Discipline Specific Electives	3	14	4	12	300
IV	I, III & VI	Ability Enhancement Compulsory Courses (Value Education, Environmental Studies, Gender Studies)	3	5 (2+2+1)	2+2+1	5	300
	II	Soft Skill Development	1	2	2	2	100
	III & IV	Generic Electives	2	4	2	4	200
	IV	Experiential Learning (Internship / Industrial Visit / Field Visit / Case Study / Survey)	1	0	2	2	100
	V	Skill Enhancement Courses	2	4	1	2	200
V	I & II	Community Outreach (JAMCROP)@	--	--	--	@	--
	IV	Extension Activities (NCC, NSS, etc.)	--	--	1	1	--
	V & VI	Extra Credit Courses* (**For advanced learners** (Online Course)	2*	--	*	*	--
	I-VI	Extra Credit Course for all (Online Course)**	1**	--	**	**	--
		TOTAL	**44**			**148**	**4400**

@**Only grades will be given**

* Programme Specific Online Course

** Any Online Course for Enhancing Additional Skills

(For all online courses the credits earned will be added to the total credits of the programme. Not considered for CGPA)

COURSE STRUCTURE FOR UG PROGRAMMES w.e.f. 2023-2024 (With Project – Model 2)

Part	Sem	Course Specification	No. of Courses	Total Hrs during the Program	No of Credits	Total Credits	Total Marks
I	I-IV	Languages (Arabic, Tamil, Hindi, French, Urdu)	4	24	3	12	400
II	I-IV	English	4	24	3	12	400
III	I-VI	Core Courses (Theory / Practical)	15	68 (6/5/4/3)	6/5/4/3/2	68	1500
	VI	Project Work	1	5	4	4	100
	I-IV	Allied Courses	8	30 (5/4/3)	5/4/3/2	24	800
	V&VI	Discipline Specific Electives	3	14	4	12	300
IV	I, III & VI	Ability Enhancement Compulsory Courses (Value Education, Environmental Studies, Gender Studies)	3	5 (2+2+1)	2+2+1	5	300
	II	Soft Skill Development	1	2	2	2	100
	III & IV	Generic Electives	2	4	2	4	200
	IV	Experiential Learning (Internship / Industrial Visit / Field Visit / Case Study / Survey)	1	0	2	2	100
	V	Skill Enhancement Courses	2	4	1	2	200
V	I & II	Community Outreach (JAMCROP)@	--	--	@	@	--
	IV	Extension Activities (NCC, NSS, etc.)	--	--	1	1	--
	V & VI	Extra Credit Courses* (**For advanced learners** (Online Course)	2*	--	*	*	--
	I-VI	Extra Credit Course for all (Online Course)**	1**	--	**	**	--
TOTAL			**44**			**148**	**4400**

@Only grades will be given

*Programme Specific Online Course

** Any Online Course for Enhancing Additional Skills

(For all online courses the credits earned will be added to the total credits of the programme. Not considered for CGPA)

Learning Outcomes Based Curriculum Framework (LOCF) from 2023-2024 for a period of three years:

Part	Course Category	No of Courses	Credits
Part - I	Languages	4 Courses	12 Credits
Part - II	English	4 Courses	12 Credits
Part - III	Core Course	16 Courses	72 Credits (Without Project)
		15 Courses	70 Credits (Project – 2 Credits)
		15 Courses	68 Credits (Project – 4 Credits)
Part - III	Allied Course	8 Courses	24 Credits
Part - III	Discipline Specific Electives	3 Courses	12 Credits
Part - IV	Ability Enhancement Compulsory Course	3 Courses	5 Credits
Part - IV	Soft Skill Development	1 Course	2 Credits
Part - IV	Generic Electives	2 Courses	4 Credits
Part - IV	Experiential Learning	1 Course	2 Credits
Part - IV	Skill Enhancement Course	2 Courses	2 Credits
Part - V	Community Outreach Programme (JAMCROP)	Only Grades will be given	-
Part - V	Extension Activities		1 Credit
Extra Credit courses for advanced learners (optional)		2 Courses	-
Extra Credit courses for all learners (optional)		1 Course	-
Basic Tamil or Advanced Tamil		2 Courses (each)	
A total of 44 courses with an aggregate of 148 credits and 4400 Marks.			

Part – I: Language Course (LC)

The College offers Arabic, French, Hindi, Tamil and Urdu as Part-I Language. An undergraduate student must select any one of them as Part –I language. He / She should earn 12 credits (3 credits per semester in the first four semesters). Part – I carries 400 marks in the first 4 semesters.

Part – II: Language Course (LE)

All the UG students shall undergo these courses for the first four semesters. A student must earn 12 credits (3 credits per semester in the first four semesters). Part – II carries 400 marks in the first 4 semesters.

Part – III: Core Courses (CC)

A Course which should compulsory be studied by a student as a core requirement is termed as a core course.

There are 16 courses with 72 credits (without project) / 15 courses with 70 credits and a project with 2 credits / 15 courses with 68 credits and a project with 4 credits. Which are considered essential for each major subject. Each department will decide the title of course. The core courses carry 73/70/68 total credits depending on the programmes.

7. Project Work:

The students shall be required to take up a group / individual project during the VI semester in the regular class hours and submit a report at the end of the semester. The Head of the Department shall assign the guide in the beginning of the III semester. The guide will suggest the project title to the students. The project will be evaluated by the project guide (Internal) and an external examiner nominated by the controller of examinations of our college.

Evaluation of the project:

Components	Marks
Evaluation of Project report	75 Marks
Viva-voce	25 Marks
Components for viva voce: Presentation Response to queries raised by the examiners	 15 marks 10 marks

Part – III: Allied Courses (AC)

In addition to core course, an undergraduate student must study allied courses which may help to understand the core courses in a better way. The students will study 8 allied courses carry 24 total credits for 800 Marks.

8. Elective Courses

Generally, a course which can be chosen from a pool of courses and which may be very specific or specialised or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the student's proficiency/skill is called an elective course.

Part – III: Discipline Specific Electives (DE)

Elective courses may be offered in main discipline/subject of study is referred to as discipline specific elective.

There are 3 discipline specific elective courses each of 4 credits, totalling 12 credits with 300 marks.

Part – IV: Ability Enhancement Courses (AE)

The Ability Enhancement courses are based upon the content that leads to knowledge enhancement, namely, Value Education, Environmental Studies and Gender Studies. These are mandatory for all disciplines. They include the Value Education and Environmental studies are offered with 2 credits each and for Gender Studies with one credit.

Part – IV: Generic Elective Courses (GE)

Generic Elective as an elective course chosen generally from an unrelated discipline / subject, with an intention to seek exposure on other discipline / subject.

There are two courses – one in semester III and one in semester IV with 2 credits each. Even though it is open to all the students, irrespective of the department, no student shall be permitted to select generic elective

courses offered by the parent department. Students have to choose generic elective courses offered by other departments only.

Basic and Advanced Tamil

The students who have not studied Tamil language in their schools but opted for other languages in Part-I (Arabic, French, Hindi, Tamil and Urdu) should study two courses on Basic Tamil during Semester - II and Semester - IV. The students who have studied Tamil in higher secondary school and taken other language as Part – I, have to study compulsory Advanced Tamil during Semester - II and Semester - IV.

Basic Tamil and Advanced Tamil Courses have offered as self-study Courses. The syllabi for the above courses will be framed by the Department of Tamil and there is no CIA marks and End Semester Examinations will be conducted by the Controller of Examinations for 100 Marks. Marks earned will not be considered for total (or) CGPA.

9. Experiential Learning:

Experiential Learning is a mandatory course for all the UG students. They can select any one of the options and may carry out the activity during semesters I – IV either outside the class hours or during summer / winter vacations

a. Internship

b. Industrial Visit / Field Visit

c. Case Study / Survey

a. Internship

Students who opted internship have to undergo the same for a minimum of two weeks duration.

At the end of the fourth semester, the student has to submit a detailed report along with a certificate of attendance from the organization where the internship was completed.

OD may be granted for the students who undergo internship during the working days provided they earn at least 60% of attendance (out of 90 working days) in the respective semester and recommended by the respective HOD/ MID based on the merit of the case w.e.f. even semester of 2022-2023.

b. Industrial / Field visit

Two Industrial / field visits should be carried out by the students in an organization / NGO.

A report has to be submitted covering the two visits along with the attendance certificate from the organization/ NGO concerned, at the end of the IV semester.

c. Case study / Survey

A maximum of two case studies / surveys have to be carried out by the students choosing any of the topics under current trends / social problems related to their discipline. An analysis report on the two case studies / surveys has to be submitted by the students, at the end of the IV semester.

The experiential learning course will be jointly evaluated by the subject teacher and an external examiner.

Components for Evaluation:

Component	Internship	Industrial / Field visit	Case study / Survey
Evaluation- 75 Marks	Performance–30 Marks.	Performance – 30 Marks.	Title – 15 Marks
	Attendance - 15 Marks.	Attendance - 15 Marks.	Methodology–30 Marks
	Report submission- 30 Marks.	Report submission - 30 Marks.	Case study Analysis report – 30 Marks
Viva-voce - 25 Marks	Presentation - 15 Marks.		
	Response to queries raised by the examiners - 10 Marks		

Part – IV: Skill Enhancement Courses (SE)

The skill enhancement courses are skill based and are aimed at providing hands-on-training, competencies, skills, etc. theses courses may be chosen from a pool of courses designed to provide skill-based knowledge. Two courses are offered with 2 credits each.

10. Jamal Mohamed College Community Reach Out Programme (JAMCROP)

Under this programme all the first year UG students have to undergo JAMCROP (in Semester I or Semester II of study period) compulsorily in collaboration with Unnat Bharat Abhiyan scheme of MHRD, Govt. of India functioning in our College. A minimum of 10 hours has to be spent in the allotted/ identified destination.

Grades will be awarded on the basis of participation, performance and behaviour. One of the Grades (A/B/C/D) shall be entered in the mark statement during semester IV as described below:

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

Part – V: Extension Activities (EA)

a. The Extension Activities include activities of the National Service Scheme (NSS), National Cadet Corps (NCC), Red Ribbon Club (RRC), Youth Red Cross (YRC), Fine Arts, Leo Club, Rotaract Club, Citizen Consumer Club, Anti Dowry Association, Helping Hearts Association, Students Exnora Club, Gender Champion Club, Thanneer Sutru Choolal Maanavar Mandram, Unnat Bharat Abhiyan, Electoral Literacy Club and Sports. All students have to involve themselves in at least on one of the extension services for the first four semesters. This will carry 1 credit during IV semester.

Grade will be awarded on the basis of participation, performance and behaviour. One of the grades (A/ B/C/D) shall be entered in the mark statement during semester IV as described below.

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

11. Extra Credit Courses: (EC) (Optional)

The advanced learners can opt for 2 Extra Credit courses, which are programme specific online courses and all the students can opt for any 1 online Extra Credit course for enhancing their additional skills. The credits earned for such courses will be added to the total credits of the programme. The credits will not be considered for CGPA.

There should be no standing arrears for writing Extra Credit Courses (ie. Students should have passed all papers at the time of filling up of examination application form).

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

Eligibility Criteria for Extra Credit Courses (Advanced Learners):

Science programme:

Minimum 75% Marks in the first four semesters for Extra Credit Course-I and 75% in the first five semesters for Extra Credit Course-II of Part – III courses for UG.

Arts programme:

Minimum 70% Marks in the first four semesters for Extra Credit Course-I and 70% in the first five semesters for Extra Credit Course-II of Part – III courses for UG.

12. VALUE ADDED COURSES FOR UG STUDENTS

Two Value Added Courses are being offered by every department for UG students one in Semester III and another in Semester V from the academic year 2023-2024. The course duration will be 30 hours. At the end of the course, an internal examination with two hours duration will be conducted by all departments. The question papers for the said examination can be set internally for a maximum of 100 marks. The question paper pattern can be decided by the respective Chairman of the Board of Studies. The valued answer scripts shall be kept in the department and the grades may be awarded as per the chart given below. A common course completion certificate will be presented to all candidates who undergo the course.

Range of Marks	Corresponding Grade
90 and above	O
70 to 89	A
50 to 69	B
40 to 49	C
Below 40	No Grade

13. Post Graduate Programmes

The following are the credits for PG programmes:

For Arabic, Botany, Chemistry, Commerce, Economics, English, History, Mathematics, Physics, Tamil and Zoology with effect from 2023-2024.

Sem	Course Specification	No. of Courses	Total Hrs during the Program	No of Credits	Total Credits	Total Marks
I-IV	Core Courses	15	90	5	75	1500
I-IV	Discipline Specific Electives	4	24	4	16	400
IV	Project Work	1	6	1	4	100
IV	Mandatory Online Course**	1	--	1	1	100
II	Community Outreach (JAMCROP)@	--	--	@	@	--
III & IV	Extra Credit Courses* **(For advanced learners** (Online Course)	2*	--	*	*	--
	TOTAL	**21**			**96**	**2100**

@ **Only grades will be given**

** **Any online course for enhancing additional skills**

* **Programme Specific Online Course (The credits earned will be added to the total credits of the programme.**

   Not considered for CGPA)

For Biotechnology, Fashion Technology, Microbiology, Nutrition & Dietetics with effect from 2023-2024.

Sem	Course Specification	No. of Courses	Total Hrs during the Program	No of Credits	Total Credits	Total Marks
I-IV	Core Courses	15	90	5	75	1500
I-IV	Discipline Specific Electives	3	18	4	12	300
IV	Project Work	1	12	8	8	200
IV	Mandatory Online Course**	1	--	1	1	100
II	Community Outreach (JAMCROP)@	--	--	@	@	--
III & IV	Extra Credit Courses* **(For advanced learners** (Online Course)	2*	--	*	*	--
	TOTAL	**20**			**96**	**2100**

@ **Only grades will be given**

** **Any online course for enhancing additional skills**

* **Programme Specific Online Course (The credits earned will be added to the total credits of the programme.**

   Not considered for CGPA)

For Computer Science and Information Technology with effect from 2023-2024.

Sem	Course Specification	No. of Courses	Total Hrs during the Program	No of Credits	Total Credits	Total Marks
I-IV	Core Courses	14	84	5	70	1400
I-IV	Discipline Specific Electives	3	18	4	12	300
IV	Project Work	1	18	8	13	300
IV	Mandatory Online Course**	1	--	1	1	100
II	Community Outreach (JAMCROP)@	--	--	@	@	--
III & IV	Extra Credit Courses* (**For advanced learners** (Online Course)	2*	--	*	*	--
	TOTAL	**19**			**96**	**2100**

@ Only grades will be given

** Any online course for enhancing additional skills

* Programme Specific Online Course (The credits earned will be added to the total credits of the programme.
   Not considered for CGPA)

For Master of Business Administration (MBA) with effect from 2023-2024.

Sem	Course Specification	No. of Courses	Total Hrs during the Program	No of Credits	Total Credits	Total Marks
I-IV	Core Courses	19	82	5/4/3/2	73	1900
III & IV	Discipline Specific Electives	8	32	4	32	800
I-IV	Comprehensive Viva Voce	4	--	2	8	400
IV	Project Work	1	6	4	4	200
I	Experiential Learning (Outbound Training)	1	--	--	--	--
III	Experiential Learning (Internship)	1	--	2	2	100
IV	Mandatory Online Course**	1	--	1	1	100
II	Community Outreach (JAMCROP)@	--	--	@	@	--
III & IV	Extra Credit Courses* (**For advanced learners** (Online Course)	2*	--	*	*	--
	TOTAL	**35**			**120**	**3500**

@ Only grades will be given

** Any online course for enhancing additional skills

* Programme Specific Online Course (The credits earned will be added to the total credits of the programme.
   Not considered for CGPA)

For Master of Computer Applications (MCA) with effect from 2023-2024.

Sem	Course Specification	No. of Courses	Total Hrs during the Program	No of Credits	Total Credits	Total Marks
I-IV	Core Courses	19	76	4/3	69	1900
I-IV	Discipline Specific Electives	5	20	4	20	500
I-III	Skill Enhancement Courses	3	6	2	6	300
IV	Project Work	1	18	12	12	100
IV	Mandatory Online Course*	1	--	1	1	100
II	Community Outreach (JAMCROP)@	--	--	@	@	--
II	Extra Credit Course (Summer Internship)#	1#	--	2#	2#	--
III & IV	Extra Credit Courses* (**For advanced learners**) (Online Course)	2*	--	*	*	--
	TOTAL	**29**			**108**	**2900**

@ **Only grades will be given**

* **Any online course for enhancing additional skills**

For all the students

** **Programme Specific Online Course (The credits earned will be added to the total credits of the programme.**

   Not considered for CGPA)

Mandatory Bridge Courses for Non-Computer Science Stream Students-30 Credits

S. No.	Courses	Total Hoursduring the Programme	No. of Credits	Total Credits	Marks
1	Addl. Core Courses (6 Courses)	-	5	30	-

For Master of Social Work (MSW) with effect from 2023-2024.

Sem	Course Specification	No. of Courses	Total Hrs during the Program	No of Credits	Total Credits	Total Marks
I-IV	Core Courses	16	87	6/5/4	77	1600
I-IV	Discipline Specific Electives	5	27	5/4	22	500
IV	Project Work	1	6	4	4	100
IV	Mandatory Online Course**	1	--	1	1	100
II	Community Outreach (JAMCROP)@	--	--	@	@	--
III & IV	Extra Credit Courses* (**For advanced learners** (Online Course)	2*	--	*	*	--
	TOTAL	**23**			**104**	**2300**

@ **Only grades will be given**

** **Any online course for enhancing additional skills**

* **Programme Specific Online Course (The credits earned will be added to the total credits of the programme.**

   Not considered for CGPA)

For **Arabic, Botany, Chemistry, Commerce, Economics, English, History, Mathematics, Physics, Tamil and Zoology** - a total of 15 Core Courses with 75 Credits, 4 Discipline Specific Elective Courses with 16 Credits, One Project with 4 Credits with 100 marks and a mandatory online course with 1 credit and 100 marks. A total of 19 Courses, one project and an online course with an aggregate of 96 credits and 2100 Marks.

For **M. Sc. Biotechnology, Fashion Technology & Costume Designing, Microbiology and Nutrition & Dietetics** - a total of 15 Core Courses with 75 credits, 3 Discipline specific Elective Courses with 12 credits, 1 project with 8 credits and 200 marks; and a mandatory online course with 1 credit and 100 marks. A total of 18 Courses, one project and an online course with an aggregate of 96 credits and 2100 Marks.

For **M.Sc. Computer Science and M.Sc., Information Technology** - a total of 14 Core Courses with 64 credits, 3 Discipline Specific Elective Courses with 12 credits, 1 project with13 credits and 300 marks and a mandatory online course with 1 credit and 100 marks. A total of 17 Courses, one project and an online course with an aggregate of 90 credits and 2100 Marks.

For **M.B.A** - a total of 19 core courses with 72 credits, 8 Discipline Specific elective courses with 32 credits, 1 Internship with 2 credits and 100 marks, 1 project with 5 credits and 200 marks, 4 Comprehensive viva voce with 8 credits and 400 marks and a mandatory online course with 1 credit and 100 marks. A total of 27 Courses, one project, 4 Comprehensive viva voce, 1 Experiential learning course and an online course with an aggregate of 120 credits and 3500 Marks.

For **M.C.A** - a total of 19 core courses with 69 credits, 5 Discipline specific elective courses with 20 credits, 3 Skill Based Courses with 6 Credits, 1 project work with 12 credits, 1 mandatory online course with 1 credit. A total of 27 Courses, one project and an online course with an aggregate of 108 credits and 2900 Marks.

For **M.S.W** - a total of 16 core courses with 77 credits, 5 Discipline specific elective courses with 22 credits, 1 project with 4 credits and 100 marks and a mandatory online course with 1 credit and 100 marks. A total of 21 Courses, one project and an online course with an aggregate of 104 credits and 2300 Marks.

14. Mandatory Online Course

All PG students must complete one mandatory online course during their programme period in any subject of their choice (online course under Extra credit cannot be included in this category). The credit(s) earned and the marks obtained will be converted to 1 credit and 100 marks respectively. The students who fail to complete the online course in the stipulated programme period will not be eligible to obtain their degrees.

15. Extension Activities:

Jamal Mohamed College Community Reach Out Programme (JAMCROP):

PG Programmes (including Extra credit courses and Community Outreach Programme (JAMCROP)) under LOCF from 2023 - 2024 for a period of Three Years.

Under this programme all the first year PG students have to undergo JAMCROP (in Semester I or Semester II of study period) compulsorily in collaboration with Unnat Bharat Abhiyan scheme of MHRD, Govt. of India functioning in our College. A minimum of 10 hours has to be spent in the allotted/ identified destination.

Grades will be awarded on the basis of participation, performance and behaviour. One of the Grades (A/B/C/D) shall be entered in the mark statement during semester IV as described below:

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

16. Extra Credit Courses for Advanced Learners: (Optional)

The advanced learners can opt for 2 Extra Credit courses, which are programme specific online courses for enhancing their additional skills. The credits earned for such courses will be added to the total credits of the programme. The credits will not be considered for CGPA.

There should be no standing arrears for writing Extra Credit Course (ie. Students should have passed all papers at the time of filling up the examination application form)

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

Eligibility Criteria:

Science programme:

Minimum 75% Marks in the first two semesters for Extra Credit Course-I and 75% in the first three semesters for Extra Credit Course-II of Part – III courses for PG.

Arts programme:

Minimum 70% Marks in the first two semesters for Extra Credit Course-I and 70% in the first three semesters for Extra Credit Course-II of Part – III courses for PG.

17. VALUE ADDED COURSES FOR PG STUDENTS

One value added course is being offered by every department for all PG students during Semester III from the academic year 2023-2024. The course duration will be 30 hours. At the end of the course, an internal examination with two hours duration will be conducted by all departments. The question papers for the said examination can be set internally for a maximum of 100 marks. The question paper pattern can be decided by the respective Chairman of the Board of Studies. The valued answer scripts shall be kept in the department and the grades may be awarded as per the chart given below. A common course completion certificate will be presented to all candidates who undergo course.

Range of Marks	Corresponding Grade
90 and above	O
80-89	A
60-79	B
50-59	C
Below 50	No Grade

Internship:

Guidelines for carrying out internship:

a. A Student must spend a minimum of 5 days in an institute/ organizations/ Industry/ Factory and should obtain a certificate from the authorities of the concerned organization.

b. A report of the visit of the internship must be submitted to the department as the case may be in the prescribed format. Marks will be awarded for internship as per the allotment / visit.

For Master of Philosophy Programme (M.Phil.)

Sem	Course	Course Title	Hrs / Week	No of Credits	Total Marks
I	Core Course - I	Research Methodology	4*	4	100
	Core Course - II	Related to the Research Work	4*	4	100
	Core Course - III	Teaching and Learning Skills (Common Paper)	4*	4	100
	Core Course - IV (Elective)	Paper on Topic of Research (The syllabus will be prepared by the guide and examination will be conducted by the COE)	4*	4	100
II		Dissertation**	--	8	200
TOTAL				24	600

* One hour library for each course

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

- Passing minimum for M.Phil. dissertation work will be 55% each for evaluation and Viva-Voce.

For P.G. Diploma Programme

Sem	Course Specification	No. of Courses	Total Hrs during the Program	No of Credits	Total Credits	Total Marks
I & II	Core Courses	10	60	4	40	1000
TOTAL		10	--	--	40	1000

- Passing minimum for PG, PG Diploma and M.Phil. (Theory) will be 50% of the marks each in Continuous Internal Assessment and ESE.

18. Examinations:

a. During semester – I, it is mandatory for all the students to submit the Biodata form during first tutorial class, in order to get themselves registered and for the allotment of a register number (for end semester examinations). If the students fails to register, he/she cannot continue the second semester.

b. All the students must submit the Autonomous Examination application forms during October to write the Odd semester Autonomous Examinations (October/November) and during March to write the Even Semester Autonomous Examinations (April/May).

c. A candidate who has not passed the examination in any course(s) may be permitted to appear in such failed courses in the subsequent examinations to be held in October / November or April / May.

d. PG students are required to take up a project work and should submit the project report during the 4th semester. The head of the Department, in consultation with staff members of the department concerned, shall assign the guides in the beginning of the 3rd semester who in turn will guide and help in the project work. 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 of our college and one copy should be kept in the department library. Each candidate is required to appear for Viva-Voce examination for the project work.

19. Condonation

All students are expected to attend their classes on all working days regularly. In case of sickness / emergencies / leave on medical grounds a student can apply for leave properly in the prescribed forms available at the attendance department. If a student fails to earn the minimum number of days of attendance, he / she will not be permitted to appear for end semester examinations. The attendance rules and regulations are being followed as per the university norms.

20. Question Papers Pattern and Distribution of Marks:

Question Paper Pattern for Continuous Internal Assessment (CIA) and End Semester Examinations (ESE) for **the students admitted from the Academic Year 2023-2024.**This will be applicable to all the Courses (except part IV) of UG programmes and for all the Courses of PG programmes.

Part-A	15 x 1 (Multiple Choice Questions)		= 15 Marks
Part-B	5 x 2 (Short answer / Definition type Question)		= 10 Marks
Part-C	5 x 4 (Internal Choice - Either or type Questions)		= 20 Marks
Part-D	3 x 10 (Internal Choice - Either or type Questions)		= 30 Marks
		TOTAL	**= 75 Marks**

Question paper patterns for the End Semester Examination of Generic Electives, Skill Enhancement Courses, Basic and Advanced Tamil courses. There are no CIA components. Internal Examiners will set the question paper and evaluate the answer scripts.

Pattern-1: Descriptive pattern

Part-A	(5 Questions out of 8) 5 x 8 = 40 Marks
Part-B	(5 Questions out of 8) 5 x 12 = 60 Marks
Total	**100 Marks**

(or)

Pattern-2: Multiple Choice with objective type

100 x 1 =100 Marks

(or)

Pattern-3: Practical Courses

Practical Courses-100 Marks (Record-20 Marks + Evaluation -80 Marks)

Pattern-4: Skill Enhancement Course - I: Soft Skill Development (23UCN2SS/23BCN2SS)

The activity based evaluation for the **Soft Skills Development Course**. In the end semester examination, a maximum of 100 marks is allotted for Workbook and Viva voce.

The subject teacher and one more examiner either HOD or a staff member of our College (nominated / identified by the HOD) will conduct the examination for a maximum of 30 candidates per session.

Components for Evaluation:

Description	Maximum Marks
Workbook (Each Unit carries 10 marks)	50
Resume Preparation	10
Self-Introduction Self-Description with Future Plan (Writing) TED Talk (Speaking)	05 05 10
Mock Interview: Aptitude Physical Appearance Communication Skills Interview Questions based on the Resume & Workbook	 04 04 06 06
TOTAL	**100**

Pattern-5: Ability Enhancement Courses – I, II and III: Value Education (23UCN1AE1 /23BCN1AE1), Environmental Studies (23UCN3AE2/23BCN3AE2) and Gender Studies (23UCN6AE3/23BCN6AE3).

The activity based evaluation for the Ability Enhancement Compulsory Courses (Value Education, Environmental Studies and Gender Studies). Value Education and Environmental Studies courses will be conducted for the duration of 30 hours

(Hours of Teaching: 10 hours and Hours of activity:20 hours). Gender studies course will be conducted for the duration of 15 hours (Hours of Teaching: 5 hours and Hours of activity:10 hours).

There will be no End Semester Examination for these courses. However, the subject teacher will evaluate the components based on the performance of the students and submit the marks out of 100 (in the format prescribed by the COE) with the approval of the concerned Head of the Department to the COE.

Components for Evaluation:

Component	Maximum Marks
Documentary / Poster Presentation / Elocution	25
Quiz / MCQ Test	25
Album Making / Case Study on a Topic / Field Visit	25
Essay Writing / Assignment (Minimum 10 pages)	25
Total	**100**

PG Diploma Programme, COP and other Certificate Courses:

The following Question Paper pattern for the PG Diploma, Diploma and other certificate programmes for both CIA and ESE.

Part-A (Internal Choice- Either or Type Questions) 5 x 5   = 25 Marks

Part-B (5 Questions out of 8) 5 x 10   = 50 Marks

                                      TOTAL   **75 Marks**

M.Phil. Programme

The following Question Paper pattern for both CIA and End semester Examinations of M.Phil. Programme as per Bharathidasan University norms.

Section A: 10 Questions x 2 Marks = 20 Marks
                    (Two Questions from each unit)

Section B: 5 Questions x 5 Marks = 25 Marks
                    (Internal Choice and one set of questions from each unit)

Section C: 3 Questions x 10 Marks = 30 Marks
                    (Answer any three out of 5 questions and one question from each unit)

21. 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 following Components for Continuous Internal Assessment (CIA) to all the students **w.e.f 2023-2024.**

UG, PG, Diploma and PG Diploma: (Theory) – 25 Marks (7.5 + 7.5 + 3+ 3+3 +1)

Components	Maximum Marks
Test CIA Examinations will be conducted for 3 hours with 75 Marks and Converted to 7.5 Marks **CIA Test – I** Two and half Units (50%) **CIA Test – II** Remaining two and half Units (50%)	 7.5 7.5
Other components	
1. Attendance	03
2. Assignment/ Seminar/ Class Notes/ Paper presentation/ Class Quiz/ MCQ based test/ Debate/ Composition/ Media Appreciation / E-Content etc.: any 2 activities 3+3=6 Marks. One activity to be completed before CIA Test-1 and other activity to be completed after CIA Test-1 and before CIA Test-2	06 (3+3)
3. Library Referencing: The number of hours allotted for Library Referencing would be a minimum of 5 hours per semester. The marks scored out of 1 will be given to all the theory courses of the semester. Library Referencing - 5 hours - 1 Mark, Less than 5 hours – 0 Mark.	01
Total	**25**

UG & PG (Practical) – 20 Marks (12+5+3):

Component	Maximum Marks
Model Examination	12
Performance / Observations	05
Attendance	03
Total	**20**

Note: In case total marks of CIA is 10 Marks, it will be calculated for 20 Marks and converted to 10 Marks.

The calculation of attendance marks for each course for CIA components will be as per the following criteria:

Percentage of Attendance	Marks
75% to and above	3
65% to 74%	2
50% to 64%	1
Below 50%	0

M.Phil. Programme:

Component	Maximum Marks
Two CIA tests - each will be conducted for 3 hours with 75 Marks and Converted to 5 Marks (5+5)	10
Participation and paper presentation in Conference/ Seminar/ Workshop/ Training Programme: Paper Presentation: 5 Marks Only Participation: 2 Marks	05
Seminar	05
Assignment	05
Total	**25**

Certificate, Diploma, ADCAA and PG Diploma Programmes:

Component	Maximum Marks
Test **CIA Test – I** Two and half Units (50%) **CIA Test – II** Remaining two and half Units (50%) CIA Examinations will be conducted for 3 hours with 75 Marks and Converted to 7.5 Marks	7.5 7.5

Other component
     Assignment/ Seminar/ Class Notes/ Paper presentation/ Class Quiz/ MCQ based test/ Debate/ Composition/ Media Appreciation / E-Content etc.: any 2 activities 5+5=10 Marks.
     One activity to be completed before CIA Test-1 and other activity to be completed after CIA Test-1 and before CIA Test-2
	10

Total	**25**

The Procedures for the conduct of the semester examination and valuation will be evolved by the office of the controller of the 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 value educations, environmental studies, gender studies, skill enhancement courses and generic electives. For extracurricular activities of Part – V, grade will be awarded. Marks obtained in Part – III allied courses, Core Courses, Discipline Specific Courses and Project work will be taken into consideration for awarding class in the overall performance of the student with grading system.

22. Passing Minimum:

For UG, COP, ADCAA and Aalim Sanad Courses the passing minimum for CIA and End Semester Examination (ESE) shall be 40%. For PG, M.Phil. and PG Diploma courses, the passing minimum for CIA and End Semester Examinations shall be 50%.

For all programmes the ratio between CIA and End Semester Examination will be 25:75 for theory and 20:80 for practical courses.

The **existing** scheme for Passing Minimum for the students admitted from the Academic Year 2023-2024.

UG, Certificate, Diploma and ADCAA Programmes		
	Continuous Internal Assessment (CIA)	End Semester Examination (ESE)
Theory	40% of 25 Marks (ie.10 marks)	40% of 75 Marks (ie.30 marks)
Practical	40% of 20 Marks(ie.8 marks)	40% of 80 Marks(ie.32 marks)
PG and PG Diploma Programmes & M.Phil. Programmes		
	Continuous Internal Assessment (CIA)	End Semester Examination (ESE)
Theory	50% of 25 Marks (ie.12 marks)	50% of 75 Marks (ie.38 marks)
Practical	50% of 20 Marks (ie.10 marks)	50% of 80 Marks (ie.40 marks)

Passing minimum for PG, PG Diploma and M.Phil. (Theory) will be 50% of the marks each in Continuous Internal Assessment and ESE.

- Passing minimum for PG Project work will be 50% each for evaluation and Viva-Voce.
- Passing minimum for M.Phil. dissertation work will be 55% each for evaluation and Viva-Voce.
- A candidate who gets less than the passing minimum mark in the project /dissertation Evaluation must resubmit the project /dissertation Report. Such candidates need to appear again for the Viva-voce on the resubmitted project /dissertation

23. **Improvement of CIA Marks** Students of all programmes who are unable to write the CIA Test-I with valid reason should get prior permission from the Tutor and HOD concerned and can write the CIA Test – I with a fee of Rs.200 per course. Re-test request should be submitted to the COE's office within 15 days after the conduct of CIA Test-I. **Applications submitted after the deadline will not be considered for the retest**. There is no retest for CIA Test-II and also no retest for those who secured low mark in CIA Test -I.

i. Students who have failed in the CIA **should improve their CIA** in the immediate subsequent semesters (**only 2 chances will be given**) by paying a fee of Rs.600 per course for both UG & PG programmes **within 20 days** of publication of Autonomous Examinations results and they should submit two assignments and write two tests. Those students who fail in this attempt will have to pay an additional fee of Rs. 100 per semester. Marks secured for the attendance in the particular semester shall be considered for CIA component.

24. **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 End Semester Examinations (External only)** in the **immediate subsequent Semester** Examinations only, provided the student is without arrears till that semester (ie. Should have passed all papers at the time of filling up of examination application form). 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.**

25. **Revaluation:** There is a provision for re-valuation, re-totalling and transparency (Photocopy) of answer scripts for UG, PG and M.Phil. programmes

     All the students, including Mal-practice cases, Re-do cases and also Out-gone students, are permitted to apply for revaluation, retotalling and transparency for any number of courses.

26. **Instant Examination:** All the outgoing / out-gone students, including Mal-Practice cases of previous semesters and also Re-do cases are permitted to apply for Instant Examination in the Even semesters to a **maximum of two course** (courses may be from first to final semester). All the outgone students including.

     Mal-Practice cases of previous semesters and Re-do cases are also permitted to apply for Instant Examination in the Odd semester to a **maximum of one course** (courses may be from first to final semester).

     A sum of Rs.900/- per paper has to be paid for writing Instant Examination. The Instant Examination will be normally conducted **within 15 days of declaration of results of the final semester.**

27. **Ranking: End Semester Examination**

     Rank Certificates will be issued for every programme by the College for the toppers.

     The Bharathidasan University Conducts University Rank Examination (URE) for UG and PG for the toppers in every Programme. 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) from each programme are eligible to appear for URE.

     The questions papers of the examinations comprise of objective type questions covering the Core Courses in each of the Programme generally followed by both autonomous / non-autonomous streams.

     The top scorers in this University Rank Examination would be declared as University Rank Holders, irrespective of their grades in their respective Semester Examinations.

28. **Grading**

     When a candidate completes his/ her UG/ PG programme within the duration of the Programme as per the University norms, grades will be awarded. When a student completes his / her UG/ PG programme after the stipulated period of the programme, the maximum Division will be only First Class with the respective grade. They cannot be considered for award of Distinction/ Outstanding categories.

     Once the marks of the CIA and ESE 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 Courses & Final Result (UG, Certificate, and Diploma)

Marks Range	Grade Point	CGPA	Corresponding Grade	Classification of Final Results
90 and above	10	9.00 and above	O	Outstanding
80 and above but below 90	9	8.00 to 8.99	A+	Excellent
70 and above but below 80	8	7.00 to 7.99	A	Very Good
60 and above but below 70	7	6.00 to 6.99	B+	Good
50 and above but below 60	6	5.00 to 5.99	B	Above Average
40 and above but below 50	5	4.00 to 4.99	C	Average
Below 40	0	Below 4.00	R.A.	Re-Appear

Grading of the Courses & Final Result (PG, PG Diploma and M.Phil.)

Marks Range	Grade Point	CGPA	Corresponding Grade	Classification of Final Results
90 and above	10	9.00 and above	O	Outstanding
80 and above but below 90	9	8.00 to 8.99	A+	Excellent
70 and above but below 80	8	7.00 to 7.99	A	Very Good
60 and above but below 70	7	6.00 to 6.99	B+	Good
50 and above but below 60	6	5.00 to 5.99	B	Above Average
Below 50	0	Below 5.00	R.A.	Re-Appear

Note:

To award Second Class with B Grade for the M.Phil. Scholars who have completed the Course with more than one attempt/ exceeding the stipulated programme period.

The **existing** norms for the award of grade to the students of Advanced Diploma, whose range of mark secured is 90 and above will be awarded with a grade Distinction (D) only instead of Outstanding (O) as Maximum grade category. They cannot be considered for any outstanding mode of classification.

29. Awarding Grace Marks in CIA

Method of awarding grace marks in CIA for Sports persons, winners in Fine Arts Competitions, NCC cadets and NSS Volunteers students who have submitted projects / ideas in the innovation cell competitions for all courses in a particular semester, by adopting the following procedure, and not exceeding the total CIA marks. To earn grace mark, the students concerned should also write at least one CIA test and should also submit at least one assignment in each course. (Refer to resolution 25:15 / October 2019)

Sports Competitions		Grace Marks Out of 25	Grace Marks Out of 20	Grace Marks Out of 10
International		12	08	4
Senior Nationals		10	06	3
Inter Collegiate – BDU	Winners	10	06	3
	Runners	07	04	2
	Third Place	05	03	1
South Zone Inter University / All India Inter University / Junior Nationals		08	05	2

Fine Arts Competitions	Grace Marks Out of 25	Grace Marks Out of 20	Grace Marks Out of 10
Inter University (National Level)	09	07	4
Inter University (South Zone Level)	08	06	3
Inter University (Tamilnadu Level)	07	05	2
BARD Fest Prize Winners	05	03	1

Competitions	Grace Marks Out of 25	Grace Marks Out of 20	Grace Marks Out of 10
Submission of projects/ ideas in the Innovation Cell Competitions	05	03	1

Awarding grace marks in CIA for the Meritorious NCC cadets (Refer to resolution 30:04 March 2022)

Nature of NCC Events/Camps	Grace Marks out of 25	Grace Marks out of 20	Grace Marks out of 10
Youth Exchange Programme (YEP) Republic Day Camp (RDC), Delhi Thal Sainik Camp (TSC), Delhi	12	10	5
MRDC, Chennai (CM Rally) Inter Group Competitions (IGC)/ Advanced Leadership Camps (ALC)	10	8	4
Adventure Camps [Trekking, Rock Climbing & Mountaineering Camp] National Integration Camp (NIC)/ Army Attachment Camp (AAC) / Inter Unit Competition (IUC)	8	6	3

Nature of NSS Events/Camps	Grace Marks out of 25	Grace Marks out of 20	Grace Marks out of 10
National RD Camp	08	06	03
State RD Camp	06	05	02
National Integration Camp (NIC) National Youth Festival (NYF) National Adventure Camp (NAC)	04	03	01

30. Time Ceiling for Completion of Degree (For the candidates admitted from 2018-19)

i. The candidates who are admitted in 2018-19 or after, will be allowed to complete the UG/ PG programmes within two years after the completion of programme.

ii. In Exceptional circumstances a further extension of one more year may be granted. The exceptional circumstances will be spelt out by the relevant statutory body.

iii. During the extended period, the student shall be considered as a private candidate and also not be eligible for college / university ranking.

iv. Further, the private candidates, who apply for November session and for the subsequent examinations, they will be permitted to appear only two chances to complete their respective degree course.

To cancel all registered papers (except project work, activity based assessment courses and Experiential learning course) of the candidates, who indulge in Malpractice (possession or attempt to copy) in CIA Tests or End Semester Examination of a particular semester.

Bharathidasan University for having nominated members to various Board of studies of our college for the period of three years with effect from 07-10-2022 (BDU Ref. No. 13598/R/CCCD/L/2022 Date:29-10-2022).

Attendance for CIA

Course wise attendance for CIA calculation for all the students is given below.

Attendance 3 Marks to be awarded considering the attendance of the entire semester	
Percentage of Attendance	Marks
80% to 100%	03 Marks
65% to 79%	02 Marks
50% to 64%	01 Marks
Below 50%	00 Mark

Internship:

Guidelines for carrying out internship:

a. A Student must spend a minimum of 5 days in an institute/ organizations/ Industry/ Factory and should obtain a certificate from the authorities of the concerned organization.

b. A report of the visit of the internship must be submitted to the department as the case may be in the prescribed format. Marks will be awarded for internship as per the allotment / visit.

OD may be granted for the students who undergo internship during the working days provided they earn at least 60% of attendance (out of 90 working days) in the respective semester and recommended by the respective HOD/ MID based on the merit of the case w.e.f. even semester of 2022-2023.

31. 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 - Timeprogramme, and two years for the Part - time programme. The full - time and part - time programmes shall commence from July and 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 term Examinations shall be conducted in August / September for the Full - time candidates and April / May for the Part - time candidates.

End Semester Examination (ESE)

1. Each course shall have 75 marks for the End Semester Examination

2. Question papers for the end semester examination of Courses – I, II & III shall be set externally and valued by both external and internal examiners.

3. The guide paper (Course IV) shall be set and valued by the respective guide.

4. The candidate shall be declared pass in the Courses I, II, III and IV, if he/she secures a minimum of 50% marks, each in CIA and ESE.

5. The candidate is eligible to submit the dissertation only on completion of all theory papers successfully.

Improvement in CIA marks for M.Phil. programmes for the students admitted from the Academic Year 2019-2020 (Students admitted during and prior to 2018-19 shall refer Hand Book on Autonomy –Volume VI for old regulations)

1. Students of M.Phil. programmes who are unable to write the CIA -I with valid reason should get prior permission from the Tutor and HOD concerned and can write the CIA -I with a fee of Rs.200 per paper. Re-test request should be submitted to the COE's office within 15 days after the conduct of CIA -I. Applications submitted after the deadline will not be considered for the retest. There is no retest for CIA - II. No CIA improvement will be permitted for those who secured 12 out of 25 or more marks.

2. Students who have failed in the CIA (secured less than 12 marks) are permitted to improve their CIA, on paying a fee of Rs. 500 per paper within 20 days of publication of End Semester Examinations results. Marks secured for the attendance in the particular semester shall be considered for CIA component.

Note: M.Phil. Scholars who complete the Course in more than one attempt / exceeding the stipulated programme period, will be awarded Above average with B Grade.

DISSERTATION

1. Candidates shall submit three copies of dissertation (two copies to the College and one copy to the guide) not earlier than 5 months from the date of commencement of the second semester in the case of Full-time programme and not earlier than 10 months from the date of start of the second year, in the case of Part-Time programme. The minimum and maximum page limit shall be from 75 to 150 pages respectively. The dissertation may be printed on both sides of a paper and hard bound of the same is not necessary.

2. 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 3 months in the first instance with a penalty of **Rs.1500/-** and another 3 months of second extension of time with penalty fees of **Rs.3,000/-.**

3. 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.

4. An **open Viva-Voce** shall be conducted by both the external examiner and the supervisor and shall be attended by members of Department Research Committee, faculty members of the departments, other research scholars and other interested experts / researchers with a minimum of 30 members.

32. 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 examination more than twice. Resubmission of a dissertation shall be done with penalty fee, within 6 months from the first of the month which follows the month in which the result of the first attempt is announced. The permitted attempts of Part-I and Part-II Examinations shall be completed within a maximum period of 24 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 penalty fee, within 6 months from the first of the month which follows the month in which the result of the first attempt is announced. The permitted attempts of Part-I and Part-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.

33. 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 fees prescribed for Second Semester / year.

The Re-Registration candidates are required to submit the dissertation not earlier than six months and not later than 1 year after the re-registration. No further extension of time shall be given.

Note:

Supplementary Examinations for the theory courses shall be conducted depending upon the nature of the cases.

For detailed regulations, refer to M.Phil. regulations of Bharathidasan University in the university website framed from time to time.

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 **23U** # @@ ^^ X / 23B** # @@ ^^ X**

23	refers to the year of revision
U	refers to Under Graduate
B	refers to Bachelor
**	refers to Codes for Department / CN
CN	refers to Common Paper
#	refers to Semester 1 /2 / 3/ 4 / 5 /6
@@	refers to LC/ LE/ CC/ AC/ DE/ GE/ SE/ AE / EA/ EC
^^	refers to Course number
X	refers to P/ A/ B
LT1A	refer to Tamil Literature students only
P	Practical
LC	refers to Language Course (Part - I)
LA	refers to Language Arabic (Part - I)
LF	refers to Language French (Part - I)
LH	refers to Language Hindi (Part - I)
LT	refers to Language Tamil (Part - I)
LU	refers to Language Urdu (Part - I)
LE	refers to English (Part - II)
CC	refers to Core Course (Part - III)
CO	refers to Community Outreach
AC	refers to Allied Course (Part - III)
DE	refers to Discipline Specific Elective Course (Part - III)
GE	refers to Generic Elective Course (Part - IV)
SS	refers to Soft Skill Development (Part - IV)
SE	refers to Skill Enhancement Course (Part - IV)
AE	refers to Ability Enhancement Course (Part - IV)
EA	refers to Extension Activities (Part - V)
EL	refers to Experiential Learning (Part - IV)
EC	refers to Extra Credit Course
BT	refers to Basic Tamil
AT	refers to Advanced Tamil
CC14T	refers to Theory paper
CC13T	refers to Theory paper
23	**U** 1AC1P** refers to Practical Papers
23	**U** AECA** refers to Extra Credit Course for all
Illustration:	The Code for PG Course shall be **23P** # @@ ^^ X**
P	refers to Post Graduate
PW	refers to Project Work
23PCNOC	refers to Online Course (Mandatory)
OC	refers to Online Course
Illustration:	The Code for M.Phil. Course shall be **23MP** # @@ ^^ X**
MP	refers to Master of Philosophy
PD	refers to Project Dissertation
MCA1/2/3ACC	refers to Additional Core Course for MCA students only

SUBJECT CODE FIXATION

Codes for Departments Offering Languages, Allied, Core and Elective Courses in UG Courses, Core and Elective in PG Courses and M.Phil.

S.No.	COURSE	DEPARTMENT 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	B.B.A. Aviation Management (Allied, Core, Elective)	AM
7	Chemistry (Allied, Core, Elective)	CH
8	Commerce (Allied, Core, Elective)	CO
9	B.Com. International Finance (Allied, Core, Elective)	IF
10	Computer Applications (Allied, Core, Elective)	CA
11	Computer Science (Allied, Core, Elective)	CS
12	Economics (Allied, Core, Elective)	EC
13	English (Allied, Core, Elective)	EN
14	Fashion Technology & Costume Designing (Allied, Core, Elective)	FT
15	French Elective	FR
16	Hindi Elective	HI
17	History (Allied, Core, Elective)	HS
18	Hotel Management & Catering Science (Allied, Core, Elective)	HM
19	Information Technology (Allied, Core, Elective)	IT
20	Information Technology with Cyber Security (Allied, Core, Elective)	IC
21	Language English (Part II)	LE
22	Language Arabic (Part I)	LA
23	Language Hindi (Part I)	LH
24	Language French (Part I)	LF
25	Language Urdu (Part I)	LU
26	Language Tamil (Part I)	LT
27	Master of Business Administration	MBA
28	Management Studies (M.Phil.)	MS
29	Master of Computer Applications	MCA
30	Mathematics (Allied, Core, Elective)	MA
31	Microbiology (Allied, Core, Elective)	MB
32	Nutrition and Dietetics (Allied, Core, Elective)	ND
33	Physics (Allied, Core, Elective)	PH
34	Social Work (Core, Elective)	SW
35	Tamil (Allied, Core, Elective)	TA
36	Urdu Elective	UR
37	Visual Communication (Allied, Core, Elective)	VC
38	Zoology (Allied, Core, Elective)	ZO
39	Physical Education Elective	PE
40	B.Voc. Food Processing and Safety	FP
41	B.Voc. Apparel and Fashion Design	AF
42	B.Voc. Media Production	MP
43	B.Voc. Tourism and Hospitality Management	TH
44	Certificate Course on Data Analytics	MSCT
45	Certificate on Human Psychology	SWCT
46	Post Graduate Diploma in Computer Applications	PDCA

34. Disciplinary Action on Malpractice in the Examinations

1.   The Students should not indulge in any form of malpractice during CIA tests and End Semester Examinations.

2.   The Students will not be permitted, if he writes examination with Mobile Phone and keeping the same with or without the knowledge of the Invigilator.

3.   All the registered papers (except project work) of the candidates will be cancelled, if they indulge in Malpractice (possession or attempt to copy) in CIA Tests or End Semester Examination of a particular semester.

35. 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 also to suggest corrective measures.

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

The students are informed that there will be a Grievance Letter Boxes each in General Library, Men Office (Aided), Women Office, Canteen (West Gate), Co-operate Society and Dining Halls of Hostels.

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 letters and arrange for the redressal of grievance of the students and report the same in the monthly meeting of Grievance Appeal Committee.

36. FOUNDATION COURSES FOR UG STUDENTS

Bridge Course in English and Computer Literacy classes are to be conducted 3 days each for all the I year UG students while commencing the academic year. As the courses are mandatory to all the students as suggested by NAAC, the attendance is made compulsory.

GENERIC ELECTIVES - 2023

Department	Sem	Course Code	Course Title
Arabic	III	23UAR3GE1	Foundation in Arabic
	IV	23UAR4GE2	Fundamentals of Arabic
Botany	III	23UBO3GE1	Edible Mushroom Cultivation and Commercialization
	IV	23UBO4GE2	Nursery, Gardening for Entrepreneurship
Biotechnology	III	23UBT3GE1	Edible Mushroom Cultivation Technology
	IV	23UBT4GE2	Biofertilizer and Organic Farming
Business Administration	III	23UBA3GE1	Management Concepts
	IV	23UBA4GE2	Salesmanship
Chemistry	III	23UCH3GE1	Food and Nutrition
	IV	23UCH4GE2	Chemistry in Everyday Life
Commerce	III	23UCO4GE1	Principles of Marketing
	IV	23UCO4GE2	Stock Market Practices
Computer Science	III	23UCS3GE1	Business Process Outsourcing
	IV	23UCS4GE2	Web Design
Computer Application	III	23UCA3GE1	Office Automation
	IV	23UCA3GE2	Image Editing Tools
Information Technology	III	23UIT3GE1	Introduction to IT
	IV	23UIT4GE2	Basics of Web Technology
Economics	III	23UEC3GE1	Fundamentals of Economics
	IV	23UEC4GE2	Economics For Competitive Examinations
English	III	23UEN3GE1	Remedial English
	IV	23UEN4GE2	English for Employability Skills
Fashion Technology & Costume Designing	III	23UFT3GE1	Hand Embroidery
	IV	23UFT4GE2	Art Techniques
History	III	23UHS3GE1	Indian History for Competitive Examinations- I
	IV	23UHS4GE2	Indian History for Competitive Examinations- II
Hotel Management & Catering Science	III	23UHM3GE1	Basic Front Desk Operation
	IV	23UHM4GE2	Basic Baking
Mathematics	III	23UMA3GE1	Mathematics for Competitive Examination - I
	IV	23UMA4GE2	Mathematics for Competitive Examination - II
Microbiology	III	23UMB3GE1	Food Process Technology
	IV	23UMB4GE2	Dairy Microbiology
Nutrition and Dietetics	III	23UND3GE1	Nutrition For Women
	IV	23UND4GE2	Culinary Art
Physics	III	23UPH3GE1	Astronomical Science
	IV	23UPH4GE2	Medical Physics
Tamil	III	23UTA3GE1	பேச்சுக்கலை
	IV	23UTA4GE2	எழுத்துக்கலை
Visual Communication	III	23UVC3GE1P	Pencil Sketching - Practical
	IV	23UVC4GE2P	Art from Anything - Practical
Zoology	III	23UZO3GE1	Human Nutrition and Health
	IV	23UZO4GE2	Vermiculture Technology and Organic Farming
French	III	23UFR3GE1	Francais De Base - I
	IV	23UFR4GE2	Francais Avance
Hindi	III	23UHI3GN1	Basic Hindi - I
	IV	23UHI4GN2	Basic Hindi - II
Urdu	III	23UUR3GE1	Urdu for Beginners
	IV	23UUR4GE2	Functional Urdu
Physical Education	III	23UPE3GE1P	Physical training and fitness assessment-Practical
	IV	23UPE4GE2P	Fitness through yogic practices - Practical

VALUE ADDED COURSES - 2023

Department	Programme	Sem	Course Code	Course Title
Arabic	UG	III	23UARVAC1	Business Communication
		V	23UARVAC2	Arabic For Medical Tourism
	PG	III	23PARVAC1	Journal Arabic
Botany	UG	III	23UBOVAC1	Poly House and Shade Net House Farming
		V	23UBOVAC2	Green Skill Development
	PG	III	23PBOVAC1	Green Energy Systems
Biotechnology	UG	III	23UBTVAC1	Biogardening
		V	23UBTVAC2	Soild Waste Management
	PG	III	23PBTVAC1	Forensic Science
Business Administration	UG	III	23UBAVAC1	Principles of Insurance
		V	23UBAVAC2	Income Tax Law & Practice
Chemistry	UG	III	23UCHVAC1	Thin Layer Chromatography and Separation Techniques
		V	23UCHVAC2	Molecular Structure Drawing by Chemdraw and Chemsketch
	PG	III	23PCHVAC1	Column Chromatographic Techniques
Commerce	UG	III	23UCOVAC1	Goods and Service Tax
		V	23UCOVAC2	Analytical Skills
	PG	III	23PCOVAC1	Business Analytics with MS-Excel
Computer Science	UG	III	23UCSVAC1	Internet of Things
		V	23UCSVAC2	Blockchain Technology
	PG	III	23PCSVAC1	DevOps with AWS
Computer Applications	UG	III	23UCAVAC1	General Aptitude
		V	23UCAVAC2	Web Application Framework
	PG	III	23MCAVAC1	ANGULAR JS
Information Technology	UG	III	23UITVAC1	Interactive Web Page Development
		V	23UITVAC2	Java Server Pages
	PG	III	23PCSVAC1	DevOps with AWS
Economics	UG	III	23UECVAC1	Elements of Statistical Software
		V	23UECVAC2	Indices of Economics Development
	PG	III	23PECVAC1	Economics for JRF/ NET/ SET Examinations
English	UG	III	23UENVAC1	English for Advertisement
		V	23UENVAC2	Great Speeches From Shakespeare's Plays
	PG	III	23PENVAC1	Film Art Appreciation
Fashion Technology & Costume Designing	UG	III	23UFTVAC1	Painting Techniques – Practical
		V	23UFTVAC2	Jute Crafts – Practical
	PG	III	23PFTVAC1	Designing Recycled Textiles - Practical
History	UG	III	23UHSVAC1	Rock Art and Cave Paintings
		V	23UHSVAC2	Preservation of Historical Monuments
	PG	III	23PHSVAC1	Preservation of Historical Monuments
Hotel Management & Catering Science	UG	III	23UHMVACI	Food Business Management
		V	23UHMVAC2	Food Spoilage and Control

Department	Programme	Sem	Course Code	Course Title
Management Studies	PG	III	23MBAVAC1	Life Skills For Managers
Mathematics	UG	III	23UMAVAC1	Actuarial Science
		V	23UMAVAC2	Aptitude & Reasoning
	PG	III	23PMAVAC1	Aptitude & Reasoning
Microbiology	UG	III	23UMBVAC1	Public Health Microbiology
		V	23UMBVAC2	Fermented Food Products and Food Safety
	PG	III	23PMBVAC1	Forensic Microbiology
Nutrition & Dietetics	UG	III	23UNDVAC1	Value Addition on Fruits and Vegetable Waste
		V	23UNDVAC2	Prebiotics and Probiotics
	PG	III	23PNDVAC1	Patient Care in Emergency
Physics	UG	III	23UPHVAC1	Radiographic Testing
		V	23UPHVAC2	Telescope and Techniques
	PG	III	23PPHVAC1	Radiographic Testing
Social Work	PG	III	23PSWVAC2	Professional Development for Social Workers
Tamil	UG	III	23UTAVAC1	தமிழும் மேலாண்மையும்
		V	23UTAVAC2	அடிப்படை மனித உரிமைகள்
	PG	III	23PTAVAC1	கணினிப் பயன்பாட்டுத் தமிழ்
Visual Communication	UG	III	23UVCVAC1	Clay Modeling
		V	23UVCVAC2	Presentation Using Canva
Zoology	UG	III	23UZOVAC1	Animal Census Techniques
		V	23UZOVAC2	Zoological Specimen Preparation
	PG	III	23PZOVAC1	Basics of Vaccine and Vaccination

PART – I LANGUAGES

ARABIC

Sem	Course Code	Course	Course Title	Ins. Hrs/ Week	Credit	Marks		Total
						CIA	ESE	
I	23U1LA1	Language - I	Basic Arabic	6	3	25	75	100
II	23U2LA2	Language - II	Grammar & Translation	6	3	25	75	100
III	23U3LA3	Language - III	Prose & Poetry	6	3	25	75	100
IV	23U4LA4	Language - IV	Language Skills & Literary History	6	3	25	75	100

FRENCH

Sem	Course Code	Course	Course Title	Ins. Hrs/ Week	Credit	Marks		Total
						CIA	ESE	
I	23U1LF1	Language - I	General language French- I	6	3	25	75	100
II	23U2LF2	Language - II	General language French- II	6	3	25	75	100
III	23U3LF3	Language - III	Higher language French -III	6	3	25	75	100
IV	23U4LF4	Language - IV	Higher language French -IV	6	3	25	75	100

HINDI

Sem	Course Code	Course	Course Title	Ins. Hrs/ Week	Credit	Marks		Total
						CIA	ESE	
I	23U1LH1	Language - I	Samanya Hindi-I, Short Story and Grammar - I	6	3	25	75	100
II	23U2LH2	Language - II	Samanya Hindi-II, Novel and Grammar-II	6	3	25	75	100
III	23U3LH3	Language - III	Poetry and Prose	6	3	25	75	100
IV	23U4LH4	Language - IV	One Act Play and History of Hindi Literature (Bhakthikaal only)	6	3	25	75	100

TAMIL

Sem	Course Code	Course	Course Title	Ins. Hrs/ Week	Credit	Marks		Total
						CIA	ESE	
I	23U1LT1A	Language - I	தமிழியல் கல்வி ஆதார வளங்கள் *	6	3	25	75	100
I	23U1LT1	Language - I	பொதுத் தமிழ் - 1 : தமிழ் இலக்கிய வரலாறு - 1	6	3	25	75	100
II	23U2LT2A	Language - II	தமிழ் மொழி அமைப்பியல், மொழியியல் அறிமுகம்*					
II	23U2LT2	Language - II	பொதுத்தமிழ் - 2: தமிழ் இலக்கிய வரலாறு - 2	6	3	25	75	100
III	23U3LT3	Language - III	செய்யுள், புதினம், மொழிபெயர்ப்பு- கடிதம் - கட்டுரை வரைதல், இலக்கிய வரலாறு.	6	3	25	75	100
IV	23U3LT4	Language - IV	செய்யுள், உரைநடை, போட்டித் தேர்வுத் தமிழ், இலக்கிய வரலாறு.	6	3	25	75	100

* தமிழை முதன்மைப் பாடமாகக் கொண்ட மாணவர்களுக்கு மட்டும்

URDU

Sem	Course Code	Course	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LU1	Language - I	Nasr Aur Qawaid	6	3	25	75	100
II	23U2LU2	Language - II	Nazm Aur Ghazal	6	3	25	75	100
III	23U3LU3	Language - III	Mukalama, Tarjuma Aur Rubaiyath	6	3	25	75	100
IV	23U4LU4	Language - IV	Afsana Aur Khutoot Navesi	6	3	25	75	100

PART – II LANGUAGE – ENGLISH

Sem	Course Code	Course	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23UCN1LE1	Language - I	English for Communication - I	6	3	25	75	100
II	23UCN2LE2	Language - II	English for Communication - II	6	3	25	75	100
III	23UCN3LE3	Language - III	Poetry and One - Act Plays	6	3	25	75	100
IV	23UCN4LE4	Language - IV	English for Enrichment	6	3	25	75	100

B.A. ARABIC

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/ LF1/LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UAR1CC1	III	Core - I	Grammar - I	4	4	25	75	100
	23UAR1CC2P		Core - II	Tajweed - Practical	4	4	20	80	100
	23UAR1AC1		Allied - I	Arabic Morphology - I	4	4	25	75	100
	23UAR1AC2		Allied - II	Seerathul Anbiyaa - I	4	3	25	75	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	30	23			700
II	23U2LT2/LA2/ LF2/LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UAR2CC3	III	Core - III	Grammar - II	4	4	25	75	100
	23UAR2CC4P		Core - IV	Arabic Communication Skills - Practical	4	4	20	80	100
	23UAR2AC3		Allied - III	Arabic Morphology - II	4	4	25	75	100
	23UAR2AC4		Allied - IV	Seerathul Anbiyaa - II	4	3	25	75	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1/ 23U2AT1		Basic Tamil - I/ Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I/ தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100#	-
	@Only grades will be given			**Total**	30	23			700
III	23U3LT3/LA3/ LF3/LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UAR3CC5	III	Core - V	Grammar - III	4	4	25	75	100
	23UAR3CC6P		Core - VI	Language Application - Practical	4	4	20	80	100
	23UAR3AC5		Allied - V	Seerathul Anbiyaa - III	3	3	25	75	100
	23UAR3AC6		Allied - VI	History of Arabs - I	3	2	25	75	100
	23UAR3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	30	23			800
IV	23U4LT4/LA4/ LF4/LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UAR4CC7	III	Core - VII	Grammar - IV	4	4	25	75	100
	23UAR4CC8P		Core - VIII	Applied Arabic - Practical	4	4	20	80	100
	23UAR4AC7		Allied - VII	Seerathul Rasool	4	3	25	75	100
	23UAR4AC8		Allied - VIII	History of Arabs - II	4	2	25	75	100
	23UAR4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Internship	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NSS, NCC, etc.	-	1	-	-	-
	23U4BT2/ 23U4AT2		Basic Tamil - II/ Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II/ தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100#	-
				Total	30	24			800
V	23UAR5CC9	III	Core - IX	Grammar - V	6	6	25	75	100
	23UAR5CC10		Core - X	Classical Prose	5	5	25	75	100
	23UAR5CC11		Core - XI	Classical Poetry	5	5	25	75	100
	23UAR5CC12		Core - XII	Rhetoric	5	5	25	75	100
	23UAR5DE1AP/BP		Discipline Specific Elective - I		5	4	20	80	100
	23UAR5SE1	IV	Skill Enhancement Course - I	Essay writing in Arabic	2	1	-	100	100
	23UAR5SE2		Skill Enhancement Course - II	Documents Preparation in Arabic	2	1	-	100	100
	23UAR5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	30	27			700
VI	23UAR6CC13	III	Core - XIII	Grammar - VI	6	6	25	75	100
	23UAR6CC14		Core - XIV	Modern Prose	6	6	25	75	100
	23UAR6CC15		Core - XV	Modern Poetry	5	5	25	75	100
	23UAR6PW		Project Work	Project Work	3	2	-	100	100
	23UAR6DE2A/B		Discipline Specific Elective - II		5	4	25	75	100
	23UAR6DE3AP/BP		Discipline Specific Elective - III		4	4	20	80	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UAR6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UARECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
	* Programme Specific Online Course for Advanced Learners **** Any Online Course for Enhancing Additional Skills**			**Total**	30	28			700
				Grand Total		148			4400

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UAR3GE1	Foundation in Arabic
IV	23UAR4GE2	Fundamentals of Arabic

Self-Study Course – Basic and Advanced Tamil

(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UAR5DE1AP	Type writing in Arabic - Practical
	23UAR5DE1BP	Translation Skills in Arabic I - Practical
VI	23UAR6DE2A	History of Arabic Literature
	23UAR6DE2B	Commercial Arabic
	23UAR6DE3AP	Data Entry in Arabic - Practical
	23UAR6DE3BP	Translation Skills in Arabic II - Practical

B.B.A

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs./ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/LF1 /LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English – I	English for Communication - I	6	3	25	75	100
	23UBA1CC1	III	Core - I	Business Management	4	4	25	75	100
	23UBA1CC2		Core - II	Financial Accounting	4	4	25	75	100
	23UBA1AC1		Allied - I	Managerial Economics	4	3	25	75	100
	23UBA1AC2		Allied - II	Managerial Communication	4	3	25	75	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	**30**	**22**			**700**
II	23U2LT2/LA2/LF2 /LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English – II	English for Communication - II	6	3	25	75	100
	23UBA2CC3	III	Core - III	Modern Marketing	5	5	25	75	100
	23UBA2CC4		Core - IV	Business Environment and Ethics	4	4	25	75	100
	23UBA2AC3		Allied - III	Business Mathematics & Statistics	4	4	25	75	100
	23UBA2AC4P		Allied - IV	Information Technology for Business - Practical	3	2	20	80	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1/ 23U2AT1		Basic Tamil - I/ Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I/ தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100#	-
	@ Only grades will be given			**Total**	**30**	**23**			**700**
III	23U3LT3/LA3/LF3 /LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UBA3CC5	III	Core - V	Modern Banking	4	4	25	75	100
	23UBA3CC6		Core - VI	Legal aspects of Business	3	3	25	75	100
	23UBA3AC5		Allied - V	Operations Research	4	4	25	75	100
	23UBA3AC6P		Allied - VI	Computerized Accounting - Practical	3	2	20	80	100
	23UBA3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	**30**	**23**			**800**
IV	23U4LT4/LA4/LF4 /LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UBA4CC7	III	Core - VII	Production and Operations Management	4	4	25	75	100
	23UBA4CC8		Core - VIII	Cost Accounting	4	4	25	75	100
	23UBA4AC7		Allied - VII	Essentials of Supply Chain Management	4	3	25	75	100
	23UBA4AC8		Allied - VIII	Organisational Behaviour	4	3	25	75	100
	23UBA4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experimental Learning	Industrial Visit	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-
	23U4BT2/ 23U4AT2		Basic Tamil - II/ Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II/ தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100#	-
				Total	**30**	**25**			**800**
V	23UBA5CC9	III	Core - IX	Management Accounting	6	6	25	75	100
	23UBA5CC10		Core - X	International Business Management	5	5	25	75	100
	23UBA5CC11		Core - XI	Entrepreneurial Development	5	5	25	75	100
	23UBA5CC12		Core - XII	Fundamentals of Research Methodology	5	5	25	75	100
	23UBA5DE1A/B		Discipline Specific Elective - I		5	4	25	75	100
	23UBA5SE1	IV	Skill Enhancement Course - I	Skills for Competitive Examinations	2	1	-	100	100
	23UBA5SE2		Skill Enhancement Course - II	Public Speaking Skills	2	1	-	100	100
	23UBA5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	**30**	**27**			**700**
VI	23UBA6CC13	III	Core -XIII	Financial Management	6	6	25	75	100
	23UBA6CC14		Core - XIV	Strategic Management	5	5	25	75	100
	23UBA6CC15		Core -XV	Human Resource Management	6	6	25	75	100
	23UBA6PW		Project Work	Project Work	3	2	25	75	100
	23UBA6DE2A/B		Discipline Specific Elective - II		5	4	25	75	100
	23UBA6DE3A/B		Discipline Specific Elective - III		4	4	25	75	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UBA6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UBAECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
	* **Programme Specific Online Course for Advanced Learners** ** **Any Online Course for Enhancing Additional Skills**			**Total**	**30**	**28**			**700**
				Grand Total		**148**			**4400**

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UBA3GE1	Management Concepts
IV	23UBA4GE2	Salesmanship

Self-Study Course – Basic and Advanced Tamil
(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UBA5DE1A	Customer Relationship Management
	23UBA5DE1B	Global Financial Management
VI	23UBA6DE2A	Media Management
	23UBA6DE2B	Financial Markets and Services
	23UBA6DE3A	Sales Management
	23UBA6DE3B	Security Analysis & Portfolio Management

B.B.A. AVIATION MANAGEMENT

Sem	Course Code	Part	Course	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/LF1/ LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UAM1CC1		Core - I	Principles of Management	4	4	25	75	100
	23UAM1CC2	III	Core - II	Financial Accounting	4	4	25	75	100
	23UAM1AC1		Allied - I	Business Economics	4	3	25	75	100
	23UAM1AC2		Allied - II	Introduction to Airline Industry	4	3	25	75	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	**30**	**22**			**700**
II	23U2LT2/LA2/LF2/ LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UAM2CC3		Core - III	Marketing Management	5	5	25	75	100
	23UAM2CC4	III	Core- IV	Aviation Security and Safety Management	4	4	25	75	100
	23UAM2AC3		Allied - III	Maths & Statistics for Managers	4	4	25	75	100
	23UAM2AC4P		Allied - IV	Information Technology for Business - Practical	3	2	20	80	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1 / 23U2AT1		Basic Tamil - I / Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100 #	-
	@Only grades will be given			**Total**	**30**	**23**			**700**
III	23U3LT3/LA3/LF3 /LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UAM3CC5		Core - V	Operations Research	4	4	25	75	100
	23UAM3CC6	III	Core - VI	Business Laws	3	3	25	75	100
	23UAM3AC5		Allied - V	Airline Marketing Management	4	4	25	75	100
	23UAM3AC6		Allied - VI	Human Factors in Aviation	3	2	25	75	100
	23UAM3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	**30**	**23**			**800**
IV	23U4LT4/LA4/LF4/ LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UAM4CC7		Core - VII	Cost Accounting	4	4	25	75	100
	23UAM4CC8	III	Core - VIII	Airport Operations	4	4	25	75	100
	23UAM4AC7		Allied - VII	Managing Green Airports	4	3	25	75	100
	23UAM4AC8		Allied - VIII	Flight Operations Manual	4	3	25	75	100
	23UAM4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experimental Learning	Industrial Visit	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-
	23U4BT2 / 23U4AT2		Basic Tamil - II / Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100 #	-
				Total	**30**	**25**			**800**
V	23UAM5CC9		Core - IX	Management Accounting	6	6	25	75	100
	23UAM5CC10		Core - X	Entrepreneurial Development	5	5	25	75	100
	23UAM5CC11	III	Core - XI	Aviation resource Management	5	5	25	75	100
	23UAM5CC12		Core - XII	Passenger Ground Service	5	5	25	75	100
	23UAM5DE1A/B		Discipline Specific Elective - I		5	4	25	75	100
	23UAM5SE1	IV	Skill Enhancement Course - I	Skills for Competitive Examinations	2	1	-	100	100
	23UAM5SE2		Skill Enhancement Course - II	Public Speaking Skills	2	1	-	100	100
	23UAM5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	**30**	**27**			**700**
VI	23UAM6CC13		Core - XIII	Financial Management	6	6	25	75	100
	23UAM6CC14		Core - XIV	Personnel Management	5	5	25	75	100
	23UAM6CC15	III	Core - XV	Aviation Law & Regulations	6	6	25	75	100
	23UAM6PW		Project Work	Project Work	3	2	25	75	100
	23UAM6DE2A/B		Discipline Specific Elective - II		5	4	25	75	100
	23UAM6DE3A/B		Discipline Specific Elective-III		4	4	25	75	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UAM6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UAMECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
	* Programme Specific Online Course for Advanced Learners **** Any Online Course for Enhancing Additional Skills**			**Total**	**30**	**28**			**700**
				Grand Total		**148**			**4400**

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UAM3GE1	Management Concepts
IV	23UAM4GE2	Salesmanship

#Self-Study Course – Basic and Advanced Tamil

(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியழும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியழும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியழும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியழும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UAM5DE1A	Basic Ramp Safety
	23UAM5DE1B	Airline Social Media Strategy
VI	23UAM6DE2A	Travel Agents & Tour Operations
	23UAM6DE2B	Aviation Grooming Standards
	23UAM6DE3A	Low Cost Carriers (LCC) Business Models
	23UAM6DE3A	Principles of Airline Retailing: Key Trends in Airline Distribution Changes

B.Sc. BIOTECHNOLOGY

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/LF1/ LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UBT1CC1	III	Core - I	Fundamentals of Botany and Zoology	5	5	25	75	100
	23UBT1CC2P		Core - II	Fundamentals of Botany and Zoology - Practical	3	3	20	80	100
	23UBT1AC1		Allied - I	Biochemistry I : General Biochemistry	5	4	25	75	100
	23UBT1AC2P		Allied - II	Biochemistry I : General Biochemistry - Practical	3	2	20	80	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	**30**	**22**			**700**
II	23U2LT2/LA2/LF2/L H2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UBT2CC3	III	Core - III	Cell Biology	6	6	25	75	100
	23UBT2CC4P		Core - IV	Cell Biology - Practical	3	3	20	80	100
	23UBT2AC3		Allied - III	Biochemistry II: Bioenergetics and metabolism	4	4	25	75	100
	23UBT2AC4P		Allied - IV	Biochemistry II: Bioenergetics and metabolism - Practical	3	2	20	80	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1 / 23U2AT1		Basic Tamil - I / Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I / தமிழ் இலக்கியமும் வரலாறும்; - I	-	-	-	100 #	-
	@ Only grades will be given			**Total**	**30**	**23**			**700**
III	23U3LT3/LA3/LF3/L H3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UBT3CC5	III	Core - V	Genetics	4	4	25	75	100
	23UBT3CC6P		Core - VI	Genetics - Practical	3	3	20	80	100
	23UBT3AC5		Allied - V	Microbiology I: General Microbiology	4	4	25	75	100
	23UBT3AC6P		Allied - VI	Microbiology I: General Microbiology - Practical	3	2	20	80	100
	23UBT3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	**30**	**23**			**800**
IV	23U4LT4/LA4/LF4/L H4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UBT4CC7	III	Core - VII	Molecular Biology	5	5	25	75	100
	23UBT4CC8P		Core - VIII	Molecular Biology - Practical	3	3	20	80	100
	23UBT4AC7		Allied - VII	Microbiology II: Applied Microbiology	5	4	25	75	100
	23UBT4AC8P		Allied - VIII	Microbiology II: Applied Microbiology - Practical	3	2	20	80	100
	23UBT4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Field Visit	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-
	23U4BT2 / 23U4AT2		Basic Tamil - II / Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II / தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100 #	-
				Total	**30**	**25**			**800**
V	23UBT5CC9	III	Core - IX	Plant Biotechnology	5	5	25	75	100
	23UBT5CC10		Core - X	Enzymology and Enzyme Technology	5	5	25	75	100
	23UBT5CC11		Core - XI	Immunology and Immunotechnology	5	5	25	75	100
	23UBT5CC12P		Core - XII	Plant Biotechnology, Enzymology and Enzyme Technology, Immunology and Immunotechnology - Practical	6	6	20	80	100
	23UBT5DE1A/B		Discipline Specific Elective - I		5	4	25	75	100
	23UBT5SE1	IV	Skill Enhancement Course - I	Evolution and Developmental Biology	2	1	-	100	100
	23UBT5SE2		Skill Enhancement Course - II	Industrial Fermentations	2	1	-	100	100
	23UBT5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	**30**	**27**			**700**
VI	23UBT6CC13	III	Core - XIII	Animal Biotechnology	5	5	25	75	100
	23UBT6CC14		Core - XIV	Environmental Biotechnology	6	6	25	75	100
	23UBT6CC15P		Core - XV	Animal Biotechnology and Environmental Biotechnology - Practical	6	6	20	80	100
	23UBT6PW		Project Work	Project Work	3	2	-	100	100
	23UBT6DE2A/B		Discipline Specific Elective-II		5	4	25	75	100
	23UBT6DE3A/B		Discipline Specific Elective-III		4	4	25	75	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UBT6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UBTECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills			**Total**	**30**	**28**			**700**
				Grand Total		**148**			**4400**

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UBT3GE1	Edible Mushroom Cultivation Technology
IV	23UBT4GE2	Biofertilizer and Organic Farming

#Self-Study Course – Basic and Advanced Tamil

(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UBT5DE1A	Bioinformatics and Biostatistics
	23UBT5DE1B	Pharmacology
VI	23UBT6DE2A	Bioanalytical tools
	23UBT6DE2B	Plant and Animal physiology
	23UBT6DE3A	IPR, Biosafety and Bioethics
	23UBT6DE3B	Cancer and Stem Cell Biology

B.Sc. BOTANY

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/LF1/LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UBO1CC1	III	Core - I	Plant Diversity (Algae, Fungi and Archegoniate)	5	5	25	75	100
	23UBO1CC2P		Core - II	Laboratory course for core - I - Practical	3	3	20	80	100
	23UCH1AC1:2		Allied - I	Inorganic, Organic and Physical Chemistry - I	5	4	25	75	100
	23UCH1AC2P		Allied - II	Volumetric Estimations - Practical	3	2	20	80	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	**30**	**22**			**700**
II	23U2LT2/LA2/LF2/LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UBO2CC3	III	Core - III	Plant Anatomy and Embryology	6	6	25	75	100
	23UBO2CC4P		Core - IV	Laboratory course for core - III - Practical	3	3	20	80	100
	23UCH2AC3:2		Allied - III	Inorganic, Organic and Physical Chemistry - II	4	4	25	75	100
	23UCH2AC4P		Allied - IV	Organic Analysis - Practical	3	2	20	80	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	100	-	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1/ 23U2AT1		Basic Tamil - I/ Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I/ தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100#	-
	@ Only grades will be given			**Total**	**30**	**23**			**700**
III	23U3LT3/LA3/LF3/LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UBO3CC5	III	Core - V	Cytology, Genetics and Evolution	4	4	25	75	100
	23UBO3CC6P		Core - VI	Laboratory course for core - V - Practical	3	3	20	80	100
	23UZO3AC5		Allied - V	General Zoology	4	4	25	75	100
	23UZO3AC6P		Allied - VI	General Zoology - Practical - I	3	2	20	80	100
	23UBO3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	100	-	100
				Total	**30**	**23**			**800**
IV	23U4LT4/LA4/LF4/LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UBO4CC7	III	Core - VII	Microbiology and Plant Pathology	5	5	25	75	100
	23UBO4CC8P		Core - VIII	Laboratory course for core - VII - Practical	3	3	20	80	100
	23UZO4AC7		Allied - VII	Outline of Zoology	5	4	25	75	100
	23UZO4AC8P		Allied - VIII	Outline of Zoology - Practical - II	3	2	20	80	100
	23UBO4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Internship	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NSS, NCC, etc.	-	1	-	-	-
	23U4BT2/ 23U4AT2		Basic Tamil - II/ Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II/ தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100#	-
				Total	**30**	**25**			**800**
V	23UBO5CC9	III	Core - IX	Plant Systematics and Economic Botany	6	6	25	75	100
	23UBO5CC10		Core - X	Plant Physiology	6	6	25	75	100
	23UBO5CC11		Core - XI	Biochemistry, Biophysics and Biological Techniques	6	6	25	75	100
	23UBO5CC12P		Core - XII	Laboratory course for core - IX, X and XI-Practical	3	3	20	80	100
	23UBO5DE1A/B		Discipline Specific Elective - I		5	5	25	75	100
	23UBO5SE1	IV	Skill Enhancement Course - I	Algal Cultivation Techniques for Entrepreneurship	2	1	-	100	100
	23UBO5SE2		Skill Enhancement Course - II	Greenhouse Technology	2	1	-	100	100
	23UBO5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	**30**	**28**			**700**
VI	23UBO6CC13	III	Core - XIII	Plant Ecology and Phytogeography	6	6	25	75	100
	23UBO6CC14		Core - XIV	Plant Molecular Biology and Biotechnology	6	6	25	75	100
	23UBO6CC15P		Core - XV	Laboratory course for core - XIII and XIV - Practical	5	5	20	80	100
	23UBO6PW		Project Work	Project Work	3	2	-	100	100
	23UBO6DE2A/B		Discipline Specific Elective - II		5	4	25	75	100
	23UBO6DE3A/B		Discipline Specific Elective - III		4	3	25	75	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	100	-	100
	23UBO6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UBOEECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
	*Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills			**Total**	**30**	**27**			**700**
				Grand Total		**148**			**4400**

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UBO3GE1	Edible Mushroom Cultivation and Commercialization
IV	23UBO4GE2	Nursery, Gardening for Entrepreneurship

Self-Study Course – Basic and Advanced Tamil
(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UBO5DE1A	Biostatistics and Bioinformatics
	23UBO5DE1B	Enzyme Technology
VI	23UBO6DE2A	Industrial Botany
	23UBO6DE2B	Seed Technology
	23UBO6DE3A	Horticulture and Plant Breeding
	23UBO6DE3B	Silviculture

ALLIED COURSES FOR B.Sc. CHEMISTRY & B.Sc. ZOOLOGY

Semester	Course Code	Part	Course Category	Course Title
III	23UBO3AC5	III	Allied - V	Applied Botany - I
	23UBO3AC6P		Allied - VI	Laboratory Course for Applied Botany I - Practical
IV	23UBO4AC7		Allied - VII	Applied Botany - II
	23UBO4AC8P		Allied - VIII	Laboratory Course for Applied Botany II - Practical

B.Sc. CHEMISTRY (WITH ALLIED MATHEMATICS)

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/ LF1/LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UCH1CC1	III	Core - I	Inorganic, Organic and Physical Chemistry - I	5	5	25	75	100
	23UCH1CC2P		Core - II	Volumetric Estimation and Flame Photometric Identification of Metals - Practical	3	3	20	80	100
	23UPH1AC1		Allied - I	Fundamentals of Physics	5	4	25	75	100
	23UPH1AC2P		Allied - II	Properties of Matter - Practical	3	2	20	80	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	**30**	**22**			**700**
II	23U2LT2/LA2/LF2/ LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UCH2CC3	III	Core - III	Inorganic, Organic and Physical Chemistry - II	6	6	25	75	100
	23UCH2CC4P		Core - IV	Industrial Chemistry - Practical	3	3	20	80	100
	23UPH2AC3		Allied - III	Essentials of Physics	4	4	25	75	100
	23UPH2AC4P		Allied - IV	Optical, Thermal and Electricity - Practical	3	2	20	80	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1/ 23U2AT1		Basic Tamil - I/ Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I/ தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100#	-
	@Only grades will be given			**Total**	**30**	**23**			**700**
III	23U3LT3/LA3/LF3/ LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UCH3CC5	III	Core - V	Inorganic, Organic and Physical Chemistry - III	4	4	25	75	100
	23UCH3CC6P		Core - VI	Analysis of Domestic Products and Food Samples - Practical	3	3	20	80	100
	23UMA3AC5:3		Allied - V	Differential Calculus	4	3	25	75	100
	23UMA3AC6:3		Allied - VI	Algebra and Trigonometry	3	3	25	75	100
	23UCH3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	**30**	**23**			**800**
IV	23U4LT4/LA4/LF4/ LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UCH4CC7	III	Core - VII	Inorganic, Organic and Physical Chemistry - IV	5	5	25	75	100
	23UCH4CC8P		Core - VIII	Semimicro Qualitative Analysis of Inorganic Salt Mixture - Practical	3	3	20	80	100
	23UMA4AC7:3		Allied - VII	Ordinary and Partial Differential Equations	4	3	25	75	100
	23UMA4AC8:3		Allied - VIII	Statistics and Vector Calculus	4	3	25	75	100
	23UCH4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Internship	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.,	-	1	-	-	-
	23U4BT2/ 23U4AT2		Basic Tamil - II/ Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II/ தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100#	-
				Total	**30**	**25**			**800**
V	23UCH5CC9	III	Core - IX	p-Block elements and Nuclear Chemistry	6	6	25	75	100
	23UCH5CC10		Core - X	Oxygen, Nitrogen and Sulphur Containing Organic Compounds and Name Reactions	6	6	25	75	100
	23UCH5CC11		Core - XI	Thermodynamics and Solutions	6	6	25	75	100
	23UCH5CC12P		Core - XII	Physical Chemistry Electrical - Practical	3	3	20	80	100
	23UCH5DE1AP/BP		Discipline Specific Elective - I		5	4	20	80	100
	23UCH5SE1	IV	Skill Enhancement Course - I	Analytical Chemistry	2	1	-	100	100
	23UCH5SE2		Skill Enhancement Course - II	Clinical Chemistry	2	1	-	100	100
	23UCH5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	**30**	**27**			**700**
VI	23UCH6CC13	III	Core - XIII	Coordination Complexes and Chemistry of Lanthanides and Actinides	6	6	25	75	100
	23UCH6CC14		Core - XIV	Electrochemistry, Molecular Spectroscopy and Group Theory	6	6	25	75	100
	23UCH6CC15P		Core - XV	Organic Analysis and Insilico Studies - Practical	5	5	20	80	100
	23UCH6PW		Project Work	Project Work	3	2	25	75	100
	23UCH6DE2A/B		Discipline Specific Elective - II		5	4	25	75	100
	23UCH6DE3AP/BP		Discipline Specific Elective - III		4	4	20	80	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UCH6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UCHECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
	*Programme Specific Online Course for Advanced Learners **** Any Online Course for Enhancing Additional Skills**			**Total**	**30**	**28**			**700**
				Grand Total		**148**			**4400**

B.Sc. CHEMISTRY (WITH ALLIED BOTANY)

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/LF1/ LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UCH1CC1	III	Core - I	Inorganic, Organic and Physical Chemistry - I	5	5	25	75	100
	23UCH1CC2P		Core - II	Volumetric Estimation and Flame Photometric Identification of Metals - Practical	3	3	20	80	100
	23UPH1AC1		Allied - I	Fundamentals of Physics	5	4	25	75	100
	23UPH1AC2P		Allied - II	Properties of Matter- Practical	3	2	20	80	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	**30**	**22**			**700**
II	23U2LT2/LA2/LF2/ LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UCH2CC3	III	Core - III	Inorganic, Organic and Physical Chemistry - II	6	6	25	75	100
	23UCH2CC4P		Core - IV	Industrial Chemistry - Practical	3	3	20	80	100
	23UPH2AC3		Allied - III	Essentials of Physics	4	4	25	75	100
	23UPH2AC4P		Allied - IV	Optical, Thermal and Electricity-Practical	3	2	20	80	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1/ 23U2AT1		Basic Tamil - I/ Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I/ தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100#	-
@Only grades will be given				**Total**	**30**	**23**			**700**
III	23U3LT3/LA3/LF3/LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UCH3CC5	III	Core - V	Inorganic, Organic and Physical Chemistry - III	4	4	25	75	100
	23UCH3CC6P		Core - VI	Analysis of Domestic Products and Food Samples - Practical	3	3	20	80	100
	23UBO3AC5		Allied - V	Applied Botany - I	4	4	25	75	100
	23UBO3AC6P		Allied - VI	Laboratory Course for Applied Botany - I	3	2	20	80	100
	23UCH3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	**30**	**23**			**800**
IV	23U4LT4/LA4/LF4/ LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UCH4CC7	III	Core - VII	Inorganic, Organic and Physical Chemistry - IV	5	5	25	75	100
	23UCH4CC8P		Core - VIII	Semimicro Qualitative Analysis of Inorganic Salt Mixture - Practical	3	3	20	80	100
	23UBO4AC7		Allied - VII	Applied Botany - II	5	4	25	75	100
	23UBO4AC8P		Allied - VIII	Laboratory Course for Applied Botany - II	3	2	20	80	100
	23UCH4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Internship	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.,	-	1	-	-	-
	23U4BT2/ 23U4AT2		Basic Tamil - II/ Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II/ தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100#	-
				Total	**30**	**25**			**800**
V	23UCH5CC9	III	Core - IX	p-Block elements and Nuclear Chemistry	6	6	25	75	100
	23UCH5CC10		Core - X	Oxygen, Nitrogen and Sulphur Containing Organic Compounds and Name Reactions	6	6	25	75	100
	23UCH5CC11		Core - XI	Thermodynamics and Solutions	6	6	25	75	100
	23UCH5CC12P		Core - XII	Physical Chemistry Electrical - Practical	3	3	20	80	100
	23UCH5DE1AP/BP		Discipline Specific Elective - I		5	4	20	80	100
	23UCH5SE1	IV	Skill Enhancement Course - I	Analytical Chemistry	2	1	-	100	100
	23UCH5SE2		Skill Enhancement Course - II	Clinical Chemistry	2	1	-	100	100
	23UCH5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	**30**	**27**			**700**
VI	23UCH6CC13	III	Core - XIII	Coordination Complexes and Chemistry of Lanthanides and Actinides	6	6	25	75	100
	23UCH6CC14		Core - XIV	Electrochemistry, Molecular Spectroscopy and Group Theory	6	6	25	75	100
	23UCH6CC15P		Core - XV	Organic Analysis and Insilico Studies - Practical	5	5	20	80	100
	23UCH6PW		Project Work	Project Work	3	2	25	75	100
	23UCH6DE2A/B		Discipline Specific Elective - II		5	4	25	75	100
	23UCH6DE3AP/BP		Discipline Specific Elective - III		4	4	20	80	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UCH6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UCHECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
*Programme Specific Online Course for Advanced Learners **Any Online Course for Enhancing Additional Skills				**Total**	**30**	**28**			**700**
				Grand Total		**148**			**4400**

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UCH3GE1	Food and Nutrition
IV	23UCH4GE2	Chemistry in Everyday Life

Self-Study Course – Basic and Advanced Tamil
(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UCH5DE1AP	Gravimetric Estimation and Spectrophotometric study of Metal Complexes - Practical
	23UCH5DE1BP	Quantitative Analysis of metal ions by Photometric Method - Practical
VI	23UCH6DE2A	Stereochemistry, Molecular Rearrangements and Natural Products
	23UCH6DE2B	Essentials of Bioinorganic Chemistry
	23UCH6DE3AP	Physical Chemistry Non-Electrical - Practical
	23UCH6DE3BP	Advanced Physical Chemistry - Practical

ALLIED CHEMISTRY FOR B.Sc. PHYSICS

Semester	Course Code	Course	Course Title
I	23UCH1AC1:1	Allied - I	Inorganic, Organic and Physical Chemistry - I
	23UCH1AC2P	Allied - II	Volumetric Estimations - Practical
II	23UCH2AC3:1	Allied - III	Inorganic, Organic and Physical Chemistry - II
	23UCH2AC4P	Allied - IV	Organic Analysis - Practical

ALLIED CHEMISTRY FOR B.Sc. BOTANY & B.Sc. ZOOLOGY

Semester	Course Code	Course	Course Title
I	23UCH1AC1:2	Allied - I	Inorganic, Organic and Physical Chemistry - I
	23UCH1AC2P	Allied - II	Volumetric Estimations - Practical
II	23UCH2AC3:2	Allied - III	Inorganic, Organic and Physical Chemistry - II
	23UCH2AC4P	Allied - IV	Organic Analysis - Practical

B.Com.

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/ LF1/LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UCO1CC1	III	Core - I	Financial Accounting	5	5	25	75	100
	23UCO1CC2		Core - II	Business Organisation & Management	3	3	25	75	100
	23UCO1AC1		Allied - I	Business Economics	4	3	25	75	100
	23UCO1AC2		Allied - II	Modern Marketing	4	3	25	75	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	**30**	**22**			**700**
II	23U2LT2/LA2/LF2 /LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UCO2CC3	III	Core - III	Business Accounting	5	5	25	75	100
	23UCO2CC4		Core - IV	Legal Aspects of Business & Ethics	4	4	25	75	100
	23UCO2AC3		Allied - III	Business Statistics with R	4	3	25	75	100
	23UCO2AC4		Allied - IV	Business Environment	3	3	25	75	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1/ 23U2AT1		Basic Tamil - I/ Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I/ தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100#	-
	@ Only grades will be given			**Total**	**30**	**23**			**700**
III	23U3LT3/LA3/ LF3/LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UCO3CC5	III	Core - V	Managerial Accounting	4	4	25	75	100
	23UCO3CC6		Core - VI	Commercial Correspondence	3	3	25	75	100
	23UCO3AC5		Allied - V	Principles of Insurance	3	3	25	75	100
	23UCO3AC6		Allied - VI	Indian Economy	4	3	25	75	100
	23UCO3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	**30**	**23**			**800**
IV	23U4LT4/LA4/ LF4/LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UCO4CC7	III	Core - VII	Strategic Financial Management	4	4	25	75	100
	23UCO4CC8P		Core - VIII	Tally Prime - Practical	4	4	20	80	100
	23UCO4AC7		Allied - VII	Modern Banking	4	3	25	75	100
	23UCO4AC8		Allied - VIII	Indian Financial System	4	3	25	75	100
	23UCO4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Internship	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NSS, NCC, etc.	-	1	-	-	-
	23U4BT2/ 23U4AT2		Basic Tamil - II/ Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II/ தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100#	-
				Total	**30**	**25**			**800**
V	23UCO5CC9	III	Core - IX	Income Tax & Law Practice	6	6	25	75	100
	23UCO5CC10		Core - X	Company Accounts	6	5	25	75	100
	23UCO5CC11		Core - XI	Company Law & Secretarial Practice	5	5	25	75	100
	23UCO5CC12		Core - XII	Business Analytics	4	4	25	75	100
	23UCO5DE1A/B		Discipline Specific Elective - I		5	4	25	75	100
	23UCO5SE1P	IV	Skill Enhancement Course - I	Office Automation - Practical	2	1	-	100	100
	23UCO5SE2		Skill Enhancement Course - II	Business Intelligence	2	1	-	100	100
	23UCO5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	**30**	**26**			**700**
VI	23UCO6CC13	III	Core - XIII	Cost Accounting	5	5	25	75	100
	23UCO6CC14		Core - XIV	Corporate Accounting	5	5	25	75	100
	23UCO6CC15		Core - XV	Entrepreneurship & Start-ups	5	5	25	75	100
	23UCO6CC16		Core - XVI	Auditing	5	5	-	100	100
	23UCO6DE2A/B		Discipline Specific Elective - II		5	4	25	75	100
	23UCO6DE3A/B		Discipline Specific Elective - III		4	4	25	75	100
	23UCN6AE3		AECC - III	Gender Studies	1	1	-	100	100
	23UCO6EC2	IV	Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UCOECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
	*Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills			**Total**	**30**	**29**			**700**
				Grand Total		**148**			**4400**

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UCO3GE1	Principles of Marketing
IV	23UCO4GE2	Stock Market Practices

#Self-Study Course – Basic and Advanced Tamil
(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UCO5DE1A	Human Resource Management
	23UCO5DE1B	Logistics Management
VI	23UCO6DE2A	Supply Chain Management
	23UCO6DE2B	Retail Marketing
	23UCO6DE3A	Investment Management
	23UCO6DE3B	Financial Market

B.Com. INTERNATIONAL FINANCE

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/ LF1/LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UIF1CC1		Core - I	Financial Accounting	5	5	25	75	100
	23UIF1CC2	III	Core - II	Business Organisation & Management	3	3	25	75	100
	23UIF1AC1		Allied - I	Financial Statement Analysis	4	3	25	75	100
	23UIF1AC2		Allied - II	Essentials of Strategic Financial Management	4	3	25	75	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	30	22			700
II	23U2LT2/LA2/ LF2/LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UIF2CC3		Core - III	Advanced Strategic Financial Management	5	5	25	75	100
	23UIF2CC4	III	Core - IV	Business Economics	4	4	25	75	100
	23UIF2AC3		Allied - III	Business Statistics with R	4	3	25	75	100
	23UIF2AC4		Allied - IV	Global Business Environment	3	3	25	75	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1/ 23U2AT1		Basic Tamil - I/ Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I/ தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100#	-
	@ Only grades will be given			**Total**	30	23			700
III	23U3LT3/LA3/ LF3/LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UIF3CC5		Core - V	Essentials of Managerial Accounting	4	4	25	75	100
	23UIF3CC6	III	Core - VI	Commercial Correspondence	3	3	25	75	100
	23UIF3AC5		Allied - V	Principles of Insurance	3	3	25	75	100
	23UIF3AC6		Allied - VI	Indian Economy	4	3	25	75	100
	23UIF3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	30	23			800
IV	23U4LT4/LA4/L F4/LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UIF4CC7		Core - VII	Advanced Managerial Accounting	4	4	25	75	100
	23UIF4CC8P	III	Core - VIII	Tally Prime - Practical	4	4	20	80	100
	23UIF4AC7		Allied - VII	Banking and Forex Management	4	3	25	75	100
	23UIF4AC8		Allied - VIII	Global Financial System	4	3	25	75	100
	23UIF4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Internship	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NSS, NCC, etc.	-	1	-	-	-
	23U4BT2/ 23U4AT2		Basic Tamil - II/ Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II/ தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100#	-
				Total	30	25			800
V	23UIF5CC9		Core - IX	Income Tax & Law Practice	6	6	25	75	100
	23UIF5CC10		Core - X	Company Accounts	6	5	25	75	100
	23UIF5CC11	III	Core - XI	Company Law & Secretarial Practice	5	5	25	75	100
	23UIF5CC12		Core - XII	Information System Audit	4	4	25	75	100
	23UIF5DE1A/B		Discipline Specific Elective - I		5	4	25	75	100
	23UIF5SE1P	IV	Skill Enhancement Course - I	Office Automation - Practical	2	1	-	100	100
	23UIF5SE2		Skill Enhancement Course - II	Global Business Intelligence	2	1	-	100	100
	23UIF5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	30	26			700
VI	23UIF6CC13		Core - XIII	Cost Accounting	5	5	25	75	100
	23UIF6CC14		Core - XIV	Corporate Accounting	5	5	25	75	100
	23UIF6CC15	III	Core - XV	Entrepreneurship & Start-ups	5	5	25	75	100
	23UIF6CC16		Core - XVI	Business Analytics	5	5	-	100	100
	23UIF6DE2A/B		Discipline Specific Elective - II		5	4	25	75	100
	23UIF6DE3A/B		Discipline Specific Elective - III		4	4	25	75	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UIF6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UIFECA		Extra Credit Course for All**	Online Course	-	**	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills			**Total**	30	29			700
				Grand Total		148			4400

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UIF3GE1	Principles of Marketing
IV	23UIF4GE2	Stock Market Practices

Self-Study Course – Basic and Advanced Tamil

(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UIF5DE1A	Human Resource Management
	23UIF5DE1B	Logistics Management
VI	23UIF6DE2A	Supply Chain Management
	23UIF6DE2B	Retail Marketing
	23UIF6DE3A	Investment Management
	23UIF6DE3B	Financial Market

B.Sc. COMPUTER SCIENCE

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/LF1/ LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UCS1CC1	III	Core - I	Programming in C and C++	5	5	25	75	100
	23UCS1CC2P		Core - II	Programming in C and C++ Lab - Practical	3	3	20	80	100
	23UMA1AC1		Allied - I	Linear Algebra and Differential Equations	4	3	25	75	100
	23UMA1AC2		Allied - II	Numerical Methods with Octave	4	3	25	75	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	30	22			700
II	23U2LT2/LA2/LF2/ LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UCS2CC3	III	Core - III (a)	Java Programming	4	4	10	40	50
	23UCS2CC3P		Core - III (b)	Java Programming Lab - Practical	2	2	10	40	50
	23UCS2CC4		Core - IV	Web Programming	3	3	25	75	100
	23UMA2AC3		Allied - III	Operations Research	4	3	25	75	100
	23UMA2AC4		Allied - IV	Statistics	3	3	25	75	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1 / 23U2AT1		Basic Tamil - I / Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I / தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100 #	-
	@ Only grades will be given			**Total**	30	23			700
III	23U3LT3/LA3/LF3/ LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UCS3CC5	III	Core - V	Computer Organization and Architecture	4	4	25	75	100
	23UCS3CC6P		Core - VI	Web Programming Lab - Practical	3	3	20	80	100
	23UPH3AC5		Allied - V	Electronic Circuits and Devices	4	4	25	75	100
	23UPH3AC6P		Allied - VI	Electronics - Practical	3	2	20	80	100
	23UCS3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	30	23			800
IV	23U4LT4/LA4/LF4/ LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UCS4CC7	III	Core - VII	Database Management Systems	5	5	25	75	100
	23UCS4CC8P		Core - VIII	RDBMS Lab - Practical	3	3	20	80	100
	23UPH4AC7		Allied - VII	Digital Electronics and Microprocessor	5	4	25	75	100
	23UPH4AC8P		Allied - VIII	Digital and Microprocessor - Practical	3	2	20	80	100
	23UCS4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Internship	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-
	23U4BT2 / 23U4AT2		Basic Tamil - II / Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II / தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100 #	-
				Total	30	25			800
V	23UCS5CC9	III	Core - IX (a)	Data Structures and Algorithms	4	4	10	40	50
	23UCS5CC9P		Core - IX (b)	Data Structures Lab - Practical	2	2	10	40	50
	23UCS5CC10		Core - X	Software Engineering	5	5	25	75	100
	23UCS5CC11		Core - XI	Cyber Security	5	5	25	75	100
	23UCS5CC12		Core - XII	Operating Systems	5	5	25	75	100
	23UCS5DE1A/B		Discipline Specific Elective - I (a)		3	2	10	40	50
	23UCS5DE1AP/BP		Discipline Specific Elective - I (b)		2	2	10	40	50
	23UCS5SE1	IV	Skill Enhancement Course - I	Open Source Technology	2	1	-	100	100
	23UCS5SE2P		Skill Enhancement Course - II	Open Source Technology Lab - Practical	2	1	-	100	100
	23UCS5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	30	27			700
VI	23UCS6CC13	III	Core - XIII	Computer Graphics with Virtual Reality Systems	5	5	25	75	100
	23UCS6CC14		Core - XIV	Computer Networks	5	5	25	75	100
	23UCS6CC15		Core - XV	Internet of Things	5	5	25	75	100
	23UCS6PW		Project Work	Project Work	5	4	-	100	100
	23UCS6DE2A/B		Discipline Specific Elective - II		5	4	25	75	100
	23UCS6DE3AP/BP		Discipline Specific Elective - III		4	4	20	80	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UCS6EC1		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UCSECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills			**Total**	30	28			700
				Grand Total		148			4400

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UCS3GE1	Business Process Outsourcing
IV	23UCS4GE2	Web Design

#Self-Study Course – Basic and Advanced Tamil

(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
II	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
IV	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UCS5DE1A	Data Science with Python
V	23UCS5DE1B	Digital Marketing
V	23UCS5DE1AP	Data Science with Python Lab - Practical
V	23UCS5DE1BP	Digital Marketing Lab - Practical
VI	23UCS6DE2A	Introduction to Cloud Computing
VI	23UCS6DE2B	Artificial Intelligence
VI	23UCS6DE3AP	Internet of Things Lab - Practical
VI	23UCS6DE3BP	Computer Graphics Lab – Practical

B.C.A

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/LF1/LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UCA1CC1	III	Core - I	Programming in C	5	5	25	75	100
	23UCA1CC2P		Core - II	Programming in C Lab - Practical	3	3	20	80	100
	23UCA1AC1		Allied - I	Numerical and Statistical Methods	5	4	25	75	100
	23UCA1AC2		Allied - II	Digital Electronics	3	2	25	75	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	30	22			700
II	23U2LT2/LA2/LF2/LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UCA2CC3	III	Core - III	Programming in Java	5	5	25	75	100
	23UCA2CC4P		Core - IV	Programming in Java Lab - Practical	3	3	20	80	100
	23UCA2AC3		Allied - III	Operations Research	5	4	25	75	100
	23UCA2AC4		Allied - IV	Game Theory and Its Applications	3	2	25	75	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	-	-	-	@
	23U4BT1 / 23U4AT1		Basic Tamil - II / Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - I / தமிழ் இலக்கியமும் வரலாறும் - I /	-	-	-	100 #	-
	@ Only grades will be given			**Total**	30	22			700
III	23U3LT3/LA3/LF3/LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UCA3CC5	III	Core - V	Data Structures	4	4	25	75	100
	23UCA3CC6P		Core - VI	Data Structures Lab - Practical	3	3	20	80	100
	23UCA3AC5		Allied - V	Principles of Accountancy	4	4	25	75	100
	23UCA3AC6P		Allied - VI	Accounting Package Lab - Practical	3	2	20	80	100
	23UCA3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	30	23			800
IV	23U4LT4/LA4/LF4/LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UCA4CC7	III	Core - VII	Database Management Systems	6	6	25	75	100
	23UCA4CC8P		Core - VIII	RDBMS Lab - Practical	3	3	20	80	100
	23UCA4AC7		Allied - VII	Scripting Languages	4	4	25	75	100
	23UCA4AC8P		Allied - VIII	Scripting Languages Lab - Practical	3	2	20	80	100
	23UCA4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Internship	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-
	23U4BT2 / 23U4AT2		Basic Tamil - II / Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II / தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100 #	-
				Total	30	26			800
V	23UCA5CC9		Core - IX	Software Engineering	6	6	25	75	100
	23UCA5CC10		Core - X	Operating Systems	5	5	25	75	100
	23UCA5CC11	III	Core - XI	Python Programming	5	5	25	75	100
	23UCA5CC12P		Core - XII	Python Programming Lab - Practical	4	4	20	80	100
	23UCA5DE1A/B		Discipline Specific Elective - I (a)		4	4	10	40	50
	23UCA5DE1AP/BP		Discipline Specific Elective - I (b)		2	1	10	40	50
	23UCA5SE1	IV	Skill Enhancement Course - I	Digital Marketing	2	1	-	100	100
	23UCA5SE2P		Skill Enhancement Course - II	Digital Marketing Lab - Practical	2	1	-	100	100
	23UCA5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	30	27			700
VI	23UCA6CC13		Core - XIII	Data Communications and Networking	5	5	25	75	100
	23UCA6CC14T		Core - XIV (a)	Web Framework	4	4	10	40	50
	23UCA6CC14P		Core - XIV (b)	Web Framework Lab - Practical	2	2	10	40	50
	23UCA6CC15	III	Core - XV	Cyber Security	5	5	25	75	100
	23UCA6PW		Project Work	Project Work	5	4	-	100	100
	23UCA6DE2A/2B		Discipline Specific Elective - II		4	4	25	75	100
	23UCA6DE3AP/BP		Discipline Specific Elective - III		4	3	20	80	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UCA6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UCAECA		Extra Credit Course for all**	Online Course	-	*	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills			**Total**	30	28			700
				Grand Total		148			4400

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UCA3GE1	Office Automation
IV	23UCA4GE2	Image Editing Tools

Self-Study Course – Basic and Advanced Tamil
(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியழுழம் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியழுழம் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியழுழம் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியழுழம் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UCA5DE1A	VB .Net
	23UCA5DE1B	C# .Net Programming
	23UCA5DE1AP	VB .Net Lab - Practical
	23UCA5DE1BP	C# .Net Programming Lab - Practical
VI	23UCA6DE2A	PHP Programming
	23UCA6DE2B	Data Science using R
	23UCA6DE3AP	PHP Programming Lab - Practical
	23UCA6DE3BP	R Programming Lab - Practical

B.Sc. INFORMATION WITH CYBER SECURITY

Sem	Course Code	Part	Course	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/LF1/ LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UIC1CC1	III	Core - I	C and C++ Programming	5	5	25	75	100
	23UIC1CC2P		Core - II	C and C++ Programming Lab - Practical	3	3	20	80	100
	23UIC1AC1		Allied - I	Mathematical Foundations	4	3	25	75	100
	23UIC1AC2		Allied - II	Probability and Statistics	4	3	25	75	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	30	22			700
II	23U2LT2/LA2/LF2/ LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UIC2CC3	III	Core - III	Python Programming	6	6	25	75	100
	23UIC2CC4P		Core - IV	Python Programming Lab - Practical	3	3	20	80	100
	23UIC2AC3		Allied - III	Numerical Methods	4	3	25	75	100
	23UIC2AC4		Allied - IV	Operations Research	3	3	25	75	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1 / 23U2AT1		Basic Tamil - I / Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I / தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100 #	-
	@ Only grades will be given			**Total**	30	23			700
III	23U3LT3/LA3/LF3/ LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UIC3CC5	III	Core - V	Fundamentals of Cyber Security	4	4	25	75	100
	23UIC3CC6P		Core - VI	Cyber Security Lab - Practical	3	3	20	80	100
	23UIC3AC5		Allied - V	Number Theory	3	2	25	75	100
	23UIC3AC6		Allied - VI	Basics of Internet	4	4	25	75	100
	23UIC3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	30	23			800
IV	23U4LT4/LA4/LF4/ LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UIC4CC7	III	Core - VII	Database Management Systems	5	5	25	75	100
	23UIC4CC8P		Core - VIII	DBMS Lab - Practical	3	3	20	80	100
	23UIC4AC7		Allied - VII	Computer Organization and Architecture	4	3	25	75	100
	23UIC4AC8		Allied - VIII	Web Technology	4	3	25	75	100
	23UIC4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Internship	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-
	23U4BT2 / 23U4AT2		Basic Tamil - II / Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II / தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100 #	-
				Total	30	25			800
V	23UIC5CC9		Core - IX (a)	Data Structures	4	4	10	40	50
	23UIC5CC9P		Core - IX (b)	Data Structures Lab - Practical	2	2	10	40	50
	23UIC5CC10		Core - X	Data Communications and Networking	5	5	25	75	100
	23UIC5CC11	III	Core - XI	Operating Systems	5	5	25	75	100
	23UIC5CC12		Core - XII	Java Programming	5	5	25	75	100
	23UIC5DE1A/B		Discipline Specific Elective - I (a)		3	2	10	40	50
	23UIC5DE1AP/BP		Discipline Specific Elective - I (b)		2	2	10	40	50
	23UIC5SE1	IV	Skill Enhancement Course - I	Cyber Laws and Ethics	2	1	-	100	100
	23UIC5SE2P		Skill Enhancement Course - II	Java Programming Lab - Practical	2	1	-	100	100
	23UIC5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	30	27			700
VI	23UIC6CC13		Core - XIII	Artificial Intelligence	5	5	25	75	100
	23UIC6CC14		Core - XIV	Big Data and IoT Security	5	5	25	75	100
	23UIC6CC15	III	Core - XV	Intrusion Detection and Prevention System	5	5	25	75	100
	23UIC6PW		Project Work	Project Work	5	4	-	100	100
	23UIC6DE2A/B		Discipline Specific Elective - II		5	4	25	75	100
	23UIC6DE3AP/BP		Discipline Specific Elective - III		4	4	20	80	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UIC6EC1		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UICECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
	* Programme Specific Online Course for Advanced Learners **** Any Online Course for Enhancing Additional Skills**			**Total**	30	28			700
				Grand Total		148			4400

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GENERIC ELECTIVE COURSES

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Semester	Course Code	Course Title
III	23UIC3GE1	Social Networks
IV	23UIC4GE2	Digital Commerce

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#Self-Study Course – Basic and Advanced Tamil

(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

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Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

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DISCIPLINE SPECIFIC ELECTIVES

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Semester	Course Code	Course Title
V	23UIC5DE1A	Cloud Computing and its Security
	23UIC5DE1B	Blockchain Technology
	23UIC5DE1AP	Cloud Computing Lab - Practical
	23UIC5DE1BP	Blockchain Technology Lab - Practical
VI	23UIC6DE2A	Digital Forensics
	23UIC6DE2B	Mobile and Web Application Security
	23UIC6DE3AP	Digital Forensics Lab - Practical
	23UIC6DE3BP	Mobile and Web Application Security Lab - Practical

B.A. ECONOMICS

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/LF1/ LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UEC1CC1	III	Core - I	Micro Economic Analysis - I	4	4	25	75	100
	23UEC1CC2		Core - II	Money and Banking	4	4	25	75	100
	23UEC1AC1		Allied - I	Economic Statistics - I	4	3	25	75	100
	23UEC1AC2		Allied - II	Marketing	4	3	25	75	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	**30**	**22**			**700**
II	23U2LT2/LA2/LF2/ LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UEC2CC3	III	Core - III	Indian Economy	5	4	25	75	100
	23UEC2CC4		Core - IV	Micro Economic Analysis - II	4	4	25	75	100
	23UEC2AC3		Allied - III	Economic Statistics - II	4	3	25	75	100
	23UEC2AC4P		Allied - IV	Computer Applications in Economics - Practical	3	2	20	80	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1 / 23U2AT1		Basic Tamil - I / Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I/ தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100 #	-
	@ Only grade will be given			**Total**	**30**	**21**			**700**
III	23U3LT3/LA3/LF3/ LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UEC3CC5	III	Core - V	Micro Economic Analysis - III	4	4	25	75	100
	23UEC3CC6		Core - VI	Industrial Economics	3	3	25	75	100
	23UEC3AC5		Allied - V	Mathematical Applications in Economics	4	4	25	75	100
	23UEC3AC6		Allied - VI	Human Resource Management	3	2	25	75	100
	23UEC3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	**30**	**23**			**800**
IV	23U4LT4/LA4/LF4/ LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UEC4CC7	III	Core - VII	Financial Economics	4	4	25	75	100
	23UEC4CC8		Core - VIII	Economic Systems	4	4	25	75	100
	23UEC4AC7		Allied - VII	Accountancy	4	4	25	75	100
	23UEC4AC8		Allied - VIII	Econometrics	4	3	25	75	100
	23UEC4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Industrial Visit	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-
	23U4BT2 / 23U4AT2		Basic Tamil - II / Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் -II/ தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100 #	-
				Total	**30**	**26**			**800**
V	23UEC5CC9	III	Core - IX	History of Economic Thought	6	6	25	75	100
	23UEC5CC10		Core - X	Macro Economics - I	5	5	25	75	100
	23UEC5CC11		Core - XI	International Economics - I	5	5	25	75	100
	23UEC5CC12		Core - XII	Fiscal Economics - I	5	5	25	75	100
	23UEC5DE1A/B		Discipline Specific Elective - I		5	4	25	75	100
	23UEC5SE1	IV	Skill Enhancement Course - I	Digital Marketing	2	1	-	100	100
	23UEC5SE2P		Skill Enhancement Course - II	Accounting Packages - Practical	2	1	-	100	100
	23UEC5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	**30**	**27**			**700**
VI	23UEC6CC13	III	Core - XIII	Macro Economics - II	5	5	25	75	100
	23UEC6CC14		Core - XIV	International Economics - II	5	5	25	75	100
	23UEC6CC15		Core - XV	Fiscal Economics - II	5	5	25	75	100
	23UEC6CC16		Core - XVI	Economics of Growth and Development	5	5	25	75	100
	23UEC6DE2A/B		Discipline Specific Elective - II		5	4	25	75	100
	23UEC6DE3A/B		Discipline Specific Elective - III		4	4	25	75	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UEC6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UECECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills			**Total**	**30**	**29**			**700**
				Grand Total		**148**			**4400**

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UEC3GE1	Fundamentals of Economics
IV	23UEC4GE2	Economics For Competitive Examinations

Self-Study Course – Basic and Advanced Tamil

(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UEC5DE1A	Entrepreneurial Development
	23UEC5DE1B	Labour Economics
VI	23UEC6DE2A	Environmental Economics
	23UEC6DE2B	International Marketing
	23UEC6DE3A	Managerial Economics
	23UEC6DE3B	Practice of Cooperation in India

B.A. ENGLISH

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23U1LT1/LA1/ LF1/LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UEN1CC1	III	Core - I	Prose	4	4	25	75	100
	23UEN1CC2		Core - II	Short Stories	4	4	25	75	100
	23UEN1AC1		Allied - I	Social History of England - I	4	4	25	75	100
	23UEN1AC2		Allied - II	Literary Forms	4	4	25	75	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	**30**	**24**			**700**
II	23U2LT2/LA2/ LF2/LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UEN2CC3	III	Core - III	Poetry - I	4	4	25	75	100
	23UEN2CC4		Core - IV	Fiction - I	4	4	25	75	100
	23UEN2AC3		Allied - III	Social History of England - II	4	3	25	75	100
	23UEN2AC4		Allied - IV	History of English Literature - I	4	3	25	75	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1 / 23U2AT1		Basic Tamil - I / Advanced Tamil – I	எழுத்தும் இலக்கியமும் அறிமுகம் - I / தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100 #	-
	@ Only grades will be given			**Total**	**30**	**22**			**700**
III	23U3LT3/LA3/ LF3/LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UEN3CC5	III	Core - V	Modern Prose	4	4	25	75	100
	23UEN3CC6		Core - VI	Fiction - II	4	4	25	75	100
	23UEN3AC5		Allied - V	History of English Literature - II	3	2	25	75	100
	23UEN3AC6		Allied - VI	Grammar and Usage	3	2	25	75	100
	23UEN3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	**30**	**22**			**800**
IV	23U4LT4/LA4/ LF4/LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UEN4CC7	III	Core - VII	Poetry - II	4	4	25	75	100
	23UEN4CC8		Core - VIII	Rabindranath Tagore - An in-depth Study	4	4	25	75	100
	23UEN4AC7		Allied - VII	English Language and Linguistics	4	3	25	75	100
	23UEN4AC8		Allied - VIII	Journalism and Mass Communication	4	3	25	75	100
	23UEN4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Field Visit	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-
	23U4BT2 / 23U4AT2		Basic Tamil - II / Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II / தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100 #	-
				Total	**30**	**25**			**800**
V	23UEN5CC9		Core - IX	Drama - I	6	5	25	75	100
	23UEN5CC10	III	Core - X	Literary Criticism - I	5	5	25	75	100
	23UEN5CC11		Core - XI	Indian Writing in English	5	5	25	75	100
	23UEN5CC12		Core - XII	History of English Language and Phonetics	5	5	25	75	100
	23UEN5DE1A/B		Discipline Specific Elective - I		5	4	25	75	100
	23UEN5SE1	IV	Skill Enhancement Course - I	Personality Development	2	1	-	100	100
	23UEN5SE2		Skill Enhancement Course - II	English Conversation Practice	2	1	-	100	100
	23UEN5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	**30**	**26**			**700**
VI	23UEN6CC13		Core - XIII	Literary Criticism - II	5	5	25	75	100
	23UEN6CC14		Core - XIV	Drama - II	5	5	25	75	100
	23UEN6CC15	III	Core - XV	American Literature	5	5	25	75	100
	23UEN6CC16		Core - XVI	Shakespeare	5	5	25	75	100
	23UEN6DE2A/B		Discipline Specific Elective - II		5	4	25	75	100
	23UEN6DE3A/B		Discipline Specific Elective - III		4	4	25	75	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UEN6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UENECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills			**Total**	**30**	**29**			**700**
				Grand Total		**148**			**4400**

PART - II - ENGLISH

Semester	Course Code	Course Title
I	23UCN1LE1	English for Communication - I
II	23UCN2LE2	English for Communication - II
III	23UCN3LE3	Poetry and One - Act Plays
IV	23UCN4LE4	English for Enrichment

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UEN3GE1	Remedial English
IV	23UEN4GE2	English for Employability Skills

#Self-Study Course – Basic and Advanced Tamil

(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியழமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியழமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UEN5DE1A	English Language Teaching
	23UEN5DE1B	Eco Studies
VI	23UEN6DE2A	Commonwealth Literature
	23UEN6DE2B	Children's Literature
	23UEN6DE3A	Classics in Translation
	23UEN6DE3B	Translation: Theory and Practice

B.Sc. FASHION TECHNOLOGY AND COSTUME DESIGNING

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23U1LT1/LA1/LF1/LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UFT1CC1	III	Core - I	Fashion Designing	4	4	25	75	100
	23UFT1CC2P		Core - II	Fashion Sketching Techniques - Practical	5	5	20	80	100
	23UFT1AC1		Allied - I	Textile Science	4	3	25	75	100
	23UFT1AC2		Allied - II	Knitting	3	2	25	75	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	30	22			700
II	23U2LT2/LA2/LF2/LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UFT2CC3	III	Core - III	Basic Garment Construction	3	3	25	75	100
	23UFT2CC4P		Core - IV	Basic Garment Construction - Practical	5	5	20	80	100
	23UFT2AC3		Allied - III	Fabric Structure and Design	4	3	25	75	100
	23UFT2AC4P		Allied - IV	Fabric Structure and Design - Practical	4	3	20	80	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1 / 23U2AT1		Basic Tamil - I / Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I / தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100 #	-
	@ Only grades will be given			**Total**	30	22			700
III	23U3LT3/LA3/LF3/LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UFT3CC5	III	Core - V	Garment Manufacturing Technology	3	3	25	75	100
	23UFT3CC6P		Core - VI	Fashion Draping - Practical	4	4	20	80	100
	23UFT3AC5		Allied - V	Wet Processing	4	4	25	75	100
	23UFT3AC6P		Allied - VI	Wet Processing - Practical	3	2	20	80	100
	23UFT3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	30	23			800
IV	23U4LT4/LA4/LF4/LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UFT4CC7	III	Core - VII	Heritage of Textiles and Costumes	3	3	25	75	100
	23UFT4CC8P		Core - VIII	Garment Construction for Children's Wear - Practical	5	5	20	80	100
	23UFT4AC7		Allied - VII	Textile Testing	4	4	25	75	100
	23UFT4AC8P		Allied - VIII	Textile Testing - Practical	4	3	20	80	100
	23UFT4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Internship	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-
	23U4BT2 / 23U4AT2		Basic Tamil - II / Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II / தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100 #	-
				Total	30	26			800
V	23UFT5CC9	III	Core - IX	Fashion Clothing and Psychology	5	5	25	75	100
	23UFT5CC10P		Core - X	Computer Aided Designing - Practical	5	5	20	80	100
	23UFT5CC11P		Core - XI	Garment Construction for Women's Wear - Practical	6	6	20	80	100
	23UFT5CC12P		Core - XII	Fashion Portfolio Presentation - Practical	5	5	20	80	100
	23UFT5DE1AP/BP		Discipline Specific Elective - I		5	5	20	80	100
	23UFT5SE1	IV	Skill Enhancement Course - I	Visual Merchandising and Boutique Management	2	1	-	100	100
	23UFT5SE2		Skill Enhancement Course - II	Fashion Merchandising and Management	2	1	-	100	100
	23UFT5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	30	28			700
VI	23UFT6CC13	III	Core - XIII	Fundamentals of Technical Textiles	5	5	25	75	100
	23UFT6CC14P		Core - XIV	Fashion Photography - Practical	6	6	20	80	100
	23UFT6CC15P		Core - XV	Garment Construction for Men's Wear-Practical	6	6	20	80	100
	23UFT6PW		Project Work	Project Work	3	2	-	100	100
	23UFT6DE2AP/BP		Discipline Specific Elective - II		5	4	20	80	100
	23UFT6DE3A/B		Discipline Specific Elective - III		4	3	25	75	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UFT6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UFTECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills			**Total**	30	27			700
				Grand Total		148			4400

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UFT3GE1	Hand Embroidery
IV	23UFT4GE2	Art Techniques

#Self-Study Course – Basic and Advanced Tamil
(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UFT5DE1AP	Surface Ornamentation - Practical - I
	23UFT5DE1BP	Accessories Making - Practical - I
VI	23UFT6DE2AP	Surface Ornamentation - Practical - II
	23UFT6DE2BP	Accessories Making - Practical - II
	23UFT6DE3A	Garment Quality and Cost Control
	23UFT6DE3B	Home Science

B.Voc. APPAREL AND FASHION DESIGN

Sem	Part	Course	Course Code	Course Title	Total Hours	Hrs per week	Credits	Marks CIA	Marks ESE	Marks Total
I	I	General	23B1LT1 /23B1LBT1	Language - I (Tamil) /Basic Tamil - I	30	2	2	25	75	100
	II	General	23BCN1LE1	English - I	30	2	2	25	75	100
	III	General	23BAF1G1	Apparel Designing and Clothing Psychology	45	3	3	25	75	100
		General	23BAF1G2	Pattern and Sewing Techniques	45	3	3	25	75	100
		Skill	23BAF1S3P	Apparel Designing and Sketching - Practical	135	9	6	20	80	100
		Skill	23BAF1S4P	Sewing Techniques - Practical	135	9	6	20	80	100
		Skill	23BAF1I5	Internship	180	-	6	-	100	100
	IV	General	23BCN1AE1	Value Education	30	2	2	-	100	100
				Total	**630**	**30**	**30**			**800**
II	I	General	23B2LT2 /23B2LBT2	Language - II (Tamil) /Basic Tamil - II	30	2	2	25	75	100
	II	General	23BCN2LE2	English - II	30	2	2	25	75	100
	III	General	23BAF2G6	Apparel Technology and Entrepreneurship	45	3	3	25	75	100
		General	23BAF2G7	Fiber to Fabric	45	3	3	25	75	100
		Skill	23BAF2S8P	Girl's Wear Design - Practical	135	9	6	20	80	100
		Skill	23BAF2S9P	Computer Aided Fashion Designing - Practical	135	9	6	20	80	100
		Skill	23BAF2I10	Internship	180	-	6	-	100	100
	IV	General	23BCN2SS	Soft Skills Development	30	2	2	-	100	100
				Total	**630**	**30**	**30**			**800**
III	III	General	23BAF3G11	Fabric Manufacturing Technology	60	4	4	25	75	100
		General	23BAF3G12	Fabric Structure and Design	45	3	3	25	75	100
		General	23BAF3G13	Traditional Costumes of India	45	3	3	25	75	100
		Skill	23BAF3S14P	Boy's Wear Design - Practical	90	6	4	20	80	100
		Skill	23BAF3S15P	Fabric Structure and Design - Practical	90	6	4	20	80	100
		Skill	23BAF3S16P	Hand Embroidery - Practical	90	6	4	20	80	100
		Skill	23BAF3I17	Internship	180	-	6	-	100	100
	IV	General	23BCN3AE2	Environmental Studies	30	2	2	-	100	100
				Total	**630**	**30**	**30**			**800**
IV	III	General	23BAF4G18	Textile Wet Processing	60	4	4	25	75	100
		General	23BAF4G19	Knitting	60	4	4	25	75	100
		General	23BAF4G20	Apparel Merchandising and Marketing	60	4	4	25	75	100
		Skill	23BAF4S21P	Women's Wear Design - Practical	90	6	4	20	80	100
		Skill	23BAF4S22P	Textile Wet Processing - Practical	90	6	4	20	80	100
		Skill	23BAF4S23P	Basic Aari Embroidery - Practical	90	6	4	20	80	100
		Skill	23BAF4I24	Internship	180	-	6	-	100	100
				Total	**630**	**30**	**30**			**700**
V	III	General	23BAF5G25	Garment Quality and Cost Control	60	4	4	25	75	100
		General	23BAF5G26	Textile Testing	60	4	4	25	75	100
		General	23BAF5G27	Visual Merchandising	60	4	4	25	75	100
		Skill	23BAF5S8P	Men's Wear Design - Practical	90	6	4	20	80	100
		Skill	23BAF5S29P	Textile Testing - Practical	90	6	4	20	80	100
		Skill	23BAF5S30P	Fabric Painting - Practical	90	6	4	20	80	100
		Skill	23BAF5I31	Internship	180	-	6	-	100	100
				Total	**630**	**30**	**30**			**700**
VI	III	General	23BAF6G32	Export Marketing	60	4	4	25	75	100
		General	23BAF6G33	Boutique Management	60	4	4	25	75	100
		General	23BAF6G34	Home Science	45	3	3	25	75	100
		Skill	23BAF6S35P	Apparel Draping - Practical	90	6	4	20	80	100
		Skill	23BAF6S36P	Accessories Making - Practical	90	6	4	20	80	100
		Skill	23BAF6S37P	Apparel Home Furnishing - Practical	90	6	4	20	80	100
		Skill	23BAF6I38	Internship	180	-	6	-	100	100
	IV	General	23BCN6AE3	Gender Studies	15	1	1	-	100	100
				Total	**630**	**30**	**30**			**800**
				Grand Total	**3780**		**180**			**4600**

B.A. HISTORY

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/LF1/LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UHS1CC1	III	Core - I	History of India upto 647 C.E.	4	4	25	75	100
	23UHS1CC2		Core - II	History of Tamil Nadu upto 850 C.E.	4	4	25	75	100
	23UHS1AC1		Allied - I	Human Rights in India	4	3	25	75	100
	23UHS1AC2		Allied - II	Modern Political Theory	4	3	25	75	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	30	22			700
II	23U2LT2/LA2/LF2/LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UHS2CC3	III	Core - III	History of India from 647 C.E. to 1526 C.E.	4	4	25	75	100
	23UHS2CC4		Core - IV	History of Tamil Nadu from 850 C.E. to 1529 C.E.	4	4	25	75	100
	23UHS2AC3		Allied - III	Indian Geography	4	3	25	75	100
	23UHS2AC4		Allied - IV	Mass Communication	4	3	25	75	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1/ 23U2AT1		Basic Tamil - I/ Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I/ தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100#	-
	@Only grades will be given			**Total**	30	22			700
III	23U3LT3/LA3/LF3/LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UHS3CC5	III	Core - V	History of India from 1526 C.E. to 1707 C.E.	4	4	25	75	100
	23UHS3CC6		Core - VI	History of Tamil Nadu from 1529 C.E. to 1800 C.E.	4	4	25	75	100
	23UHS3AC5		Allied - V	Tourism and Hospitality Management	3	3	25	75	100
	23UHS3AC6		Allied - VI	Indian Administration	3	3	25	75	100
	23UHS3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	30	24			800
IV	23U4LT4/LA4/LF4/LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UHS4CC7	III	Core - VII	History of India from 1707 C.E. to 1885 C.E.	4	4	25	75	100
	23UHS4CC8		Core - VIII	History of Tamil Nadu from 1800 C.E. to 1987 C.E.	4	4	25	75	100
	23UHS4AC7		Allied - VII	Indian Archaeology	4	3	25	75	100
	23UHS4AC8		Allied - VIII	Archives and Museums	4	3	25	75	100
	23UHS4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Field Visit	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-
	23U4BT2/ 23U4AT2		Basic Tamil - II/ Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II/ தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100#	-
				Total	30	25			800
V	23UHS5CC9	III	Core - IX	History of India from 1885 C.E. to 1947 C.E.	6	5	25	75	100
	23UHS5CC10		Core - X	Islamic Culture and Civilization from 570 C.E. to 1258 C.E.	5	5	25	75	100
	23UHS5CC11		Core - XI	History of Far East	5	5	25	75	100
	23UHS5CC12		Core - XII	Modern Europe from 1789 C.E. to 1919 C.E.	5	5	25	75	100
	23UHS5DE1A/B		Discipline Specific Elective - I		5	4	25	75	100
	23UHS5SE1	IV	Skill Enhancement Course - I	Tamil Epigraphy	2	1	-	100	100
	23UHS5SE2		Skill Enhancement Course - II	Computer Applications in History	2	1	-	100	100
	23UHS5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	30	26			700
VI	23UHS6CC13	III	Core - XIII	History of India from 1947 C.E. to 2014 C.E.	5	5	25	75	100
	23UHS6CC14		Core - XIV	Modern Europe from 1919 C.E. to 1990 C.E.	5	5	25	75	100
	23UHS6CC15		Core - XV	History of USA from 1865 C.E. to 1964 C.E.	5	5	25	75	100
	23UHS6CC16		Core - XVI	History of Tiruchirappalli	5	5	25	75	100
	23UHS6DE2A/B		Discipline Specific Elective - II		5	4	25	75	100
	23UHS6DE3A/B		Discipline Specific Elective - III		4	4	25	75	100
	23UCN6AE3		AECC - III	Gender Studies	1	1	100	-	100
	23UHS6EC2	IV	Extra Credit Course II*	Online Course	-	*	-	-	-
	23UHSECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
	*Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills			**Total**	30	29			700
				Grand Total		148			4400

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UHS3GE1	Indian History for Competitive Examinations - I
IV	23UHS4GE2	Indian History for Competitive Examinations - II

#Self-Study Course – Basic and Advanced Tamil
(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UHS5DE1A	Art and Architecture of Tamil Nadu
	23UHS5DE1B	Cultural Tourism in India
VI	23UHS6DE2A	Study and Practice of History
	23UHS6DE2B	Makers of Modern India
	23UHS6DE3A	Indian Constitution
	23UHS6DE3B	Introduction to Museology

B.Sc. HOTEL MANAGEMENT AND CATERING SCIENCE

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/LF1/ LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UHM1CC1	III	Core - I	Basics of Food Production	5	5	25	75	100
	23UHM1CC2P		Core - II	Indian Cuisine - Practical	4	3	20	80	100
	23UHM1AC1		Allied - I	Fundamentals of Food and Beverage Service	4	4	25	75	100
	23UHM1AC2P		Allied - II	Basics of Restaurant Service - Practical	3	2	20	80	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	**30**	**22**			**700**
II	23U2LT2/LA2/LF2/ LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UHM2CC3	III	Core - III	Front Office Operations	5	5	25	75	100
	23UHM2CC4P		Core - IV	Front Office Operations - Practical	3	2	20	80	100
	23UHM2AC3		Allied - III	Housekeeping Operations	5	5	25	75	100
	23UHM2AC4		Allied - IV	Nutrition and Food Science	3	3	25	75	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1/ 23U2AT1		Basic Tamil - I/ Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I/ தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100#	-
	@Only grades will be given			**Total**	**30**	**24**			**700**
III	23U3LT3/LA3/LF3/ LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UHM3CC5	III	Core - V	Advanced Food Production Operations	4	4	25	75	100
	23UHM3CC6P		Core - VI	European Cuisine - Practical	3	2	20	80	100
	23UHM3AC5		Allied - V	Specialized Food and Beverage Service	4	4	25	75	100
	23UHM3AC6P		Allied - VI	Housekeeping Operations - Practical	3	2	20	80	100
	23UHM3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	**30**	**22**			**800**
IV	23U4LT4/LA4/LF4/L H4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UHM4CC7	III	Core - VII	Front Office Management	5	5	25	75	100
	23UHM4CC8P		Core - VIII	Specialized Food and Beverage Service - Practical	3	3	20	80	100
	23UXX4AC7		Allied - VII	Bakery and Confectionery	5	5	25	75	100
	23UHM4AC8P		Allied - VIII	Bakery and Confectionery - Practical	3	2	20	80	100
	23UHM4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Internship	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-
	23U4BT2/ 23U4AT2		Basic Tamil - II/ Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II/ தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100#	-
				Total	**30**	**26**			**800**
V	23UHM5CC9		Core - IX	Prominent Cuisines of the World	6	6	25	75	100
	23UHM5CC10P		Core - X	Front Office Management - Practical	4	4	20	80	100
	23UHM5CC11	III	Core - XI	Accommodation Management	6	6	25	75	100
	23UHM5CC12P		Core - XII	Accommodation Management - Practical	5	4	20	80	100
	23UHM5DE1A/B		Discipline Specific Elective - I		5	5	25	75	100
	23UHM5SE1A	IV	Skill Enhancement Course - I	Food Safety and Quality Control	2	1	-	100	100
	23UHM5SE2A		Skill Enhancement Course - II	Managerial Accounts and Finance of Hotel	2	1	-	100	100
	23UHM5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	**30**	**27**			**700**
VI	23UHM6CC13P		Core - XIII	Prominent Cuisines of the World -Practical	5	5	20	80	100
	23UHM6CC14		Core - XIV	Tourism Management	5	5	25	75	100
	23UHM6CC15P	III	Core - XV	Applications of Information Technology in Hospitality Industry - Practical	5	4	20	80	100
	23UHM6CC16		Core - XVI	Entrepreneurship in Tourism and Hospitality Industries	5	5	-	100	100
	23UHM6DE2A/B		Discipline Specific Elective - II		5	4	25	75	100
	23UHM6DE3A/B		Discipline Specific Elective - III		4	3	25	75	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UHM6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UHMECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
	*Programme Specific Online Course for Advanced Learners			**Total**	**30**	**27**			**700**

** Any Online Course for Enhancing Additional Skills

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UHM3GE1	Basic Front Desk Operation
IV	23UHM4GE2	Basic Baking

#Self-Study Course – Basic and Advanced Tamil
(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UHM5DE1A	Human Resource Management
	23UHM5DE1B	Event Management
VI	23UHM6DE2A	Hospitality Marketing
	23UHM6DE2B	Customer Relationship Management
	23UHM6DE3A	Organisational Behaviour
	23UHM6DE3B	Travel Agency and Tour Operations

B.Voc. TOURISM AND HOSPITALITY MANAGEMENT

Sem.	Part	Course	Course Code	Course Title	Total Hours	Hrs/ Week	Credits	CIA	ESE	Total
I	I	General	23B1LT1 /23B1LBT1	Language - I - Tamil /Basic Tamil - I	30	2	2	25	75	100
	II	General	23BCN1LE1	English - I	30	2	2	25	75	100
	III	General	23BTH1G1	Introduction to Tourism Industry	45	3	3	25	75	100
	III	General	23BTH1G2	Fundamentals of Hospitality Operations	45	3	3	25	75	100
	III	Skill	23BTH1S3	Basic Front Office Operations	90	6	6	25	75	100
	III	Skill	23BTH1S4P	Front Office Functions and Procedures - Practical	180	12	6	20	80	100
	III	Skill	23BTH1I5	Front Office Internship	180	-	6	20	80	100
	IV	General	23BCN1AE1	Value Education	30	2	2		100	100
				Total	**630**	**30**	**30**	**165**	**635**	**800**
II	I	General	23B2LT2 /23B2LBT2	Language - II - Tamil / Basic Tamil - II	30	2	2	25	75	100
	II	General	23BCN2LE2	English - II	30	2	2	25	75	100
	III	General	23BTH2G6	Tourism Products and Services	45	3	3	25	75	100
	III	General	23BTH2G7	Principles of Management	45	3	3	25	75	100
	III	Skill	23BTH2S8	Housekeeping Operations	90	6	6	25	75	100
	III	Skill	23BTH2S9P	Housekeeping Operations of Hotel - Practical	180	12	6	20	80	100
	III	Skill	23BTH2I10	Housekeeping Internship	180	-	6	20	80	100
	IV	General	23BCN2SS	Soft Skills Development	30	2	2		100	100
				Total	**630**	**30**	**30**	**165**	**635**	**800**
III	III	General	23BTH3G11	Travel Geography	30	2	2	25	75	100
	III	General	23BTH3G12	Foundation Course in Cookery	45	3	3	25	75	100
	III	General	23BTH3G13	Basic Restaurant Services	45	3	3	25	75	100
	III	General	23BTH3G14	Tourism Transport Operations	30	2	2	25	75	100
	III	Skill	23BTH3S15	Tour Packaging and Itinerary Planning	90	6	6	25	75	100
	III	Skill	23BTH3S16P	Tour Operations - Practical	180	12	6	20	80	100
	III	Skill	23BTH3I17	Travel and Tour Services Internship - I	180	-	6	20	80	100
	IV	General	23BCN3AE2	Environmental Studies	30	2	2		100	100
				Total	**630**	**30**	**30**	**165**	**635**	**800**
IV	III	General	23BTH4G18	Tourism Marketing	30	2	2	25	75	100
	III	General	23BTH4G19	Advanced Food Production Operations	45	3	3	25	75	100
	III	General	23BTH4G20	Tourism Ethics, Laws and Regulations	45	3	3	25	75	100
	III	General	23BTH4G21	Tourism and Hospitality Entrepreneurship	60	4	4	25	75	100
	III	Skill	23BTH4S22	Tour Guiding and Escorting	90	6	6	25	75	100
	III	Skill	23BTH4S23P	Regional Cuisines of India - Practical	180	12	6	20	80	100
	III	Skill	23BTH4I24	Travel and Tour Services Internship - II	180	-	6	20	80	100
				Total	**630**	**30**	**30**	**165**	**535**	**700**
V	III	General	23BTH5G25	Business Research Methods	45	3	3	25	75	100
	III	General	23BTH5G26	Event Management	45	3	3	25	75	100
	III	General	23BTH5G27	Customer Relationship Management	45	3	3	25	75	100
	III	General	23BTH5G28	Organisational Behaviour and Human Resource Management	45	3	3	25	75	100
	III	Skill	23BTH5S29	Food Production Management	90	6	6	25	75	100
	III	Skill	23BTH5S30P	European Cuisine - Practical	180	12	6	20	80	100
	III	Skill	23BTH5I31	Food Production Internship	180	-	6	20	80	100
				Total	**630**	**30**	**30**	**165**	**535**	**700**
VI	III	General	23BTH6G32	Bakery and Confectionery	45	3	3	25	75	100
	III	General	23BTH6G33	Managerial Accounts and Finance in Tourism	45	3	3	25	75	100
	III	General	23BTH6G34	Hotel Maintenance and Engineering	30	2	2	25	75	100
	III	General	23BTH6G35	India Tourism facts for Competitive Examinations	45	3	3	25	75	100
	III	Skill	23BTH6S36	Airfares and Ticketing	90	6	6	25	75	100
	III	Skill	23BTH6S37P	International Cuisine - Practical	180	12	6	20	80	100
	III	Skill	23BTH6I38	Bakery and Confectionery Internship	180	-	6	20	80	100
	IV	General	23BCN6AE3	Gender Studies	15	1	1		100	100
				Total	**630**	**30**	**30**	**165**	**635**	**800**
				Grand Total	**3780**		**180**	**590**	**4010**	**4600**

B.Sc. MATHEMATICS

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/LF1/ LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UMA1CC1		Core - I	Calculus with SageMath	5	5	25	75	100
	23UMA1CC2		Core - II	Analytical Geometry with Geogebra	3	3	25	75	100
	23UPH1AC1	III	Allied - I	Fundamentals of Physics	5	4	25	75	100
	23UPH1AC2P		Allied - II	Properties of Matter - Practical	3	2	20	80	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	**30**	**22**			**700**
II	23U2LT2/LA2/LF2/ LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UMA2CC3P		Core - III	Python Programming - Practical	5	5	20	80	100
	23UMA2CC4	III	Core - IV	Classical algebra with MATLAB	4	4	25	75	100
	23UPH2AC3		Allied - III	Essentials of Physics	4	4	25	75	100
	23UPH2AC4P		Allied - IV	Optical, Thermal and Electricity - Practical	3	2	20	80	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1 / 23U2AT1		Basic Tamil - I / Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I / தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100 #	-
	@ Only grades will be given			**Total**	**30**	**23**			**700**
III	23U3LT3/LA3/LF3/ LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UMA3CC5		Core - V	ODE and Laplace Transform with Scilab	4	4	25	75	100
	23UMA3CC6	III	Core – VI	Vector Calculus and Trigonometry with Scilab	3	3	25	75	100
	23UMA3AC5:1		Allied - V	Mathematical Statistics - I with R	4	4	25	75	100
	23UMA3AC6:1		Allied - VI	Mathematical Statistics - II with R	3	2	25	75	100
	23UMA3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	**30**	**23**			**800**
IV	23U4LT4/LA4/LF4/ LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UMA4CC7		Core - VII	Advanced Calculus	5	5	25	75	100
	23UMA4CC8	III	Core - VIII	PDE and Fourier series with Maple	3	3	25	75	100
	23UMA4AC7:1		Allied - VII	Statistics for Data Science with R	4	4	25	75	100
	23UMA4AC8P:1		Allied - VIII	Statistical lab using SPSS - Practical	4	2	20	80	100
	23UMA4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Field Visit / Case Study / Survey	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-
	23U4BT2 / 23U4AT2		Basic Tamil - II / Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II / தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100 #	-
				Total	**30**	**25**			**800**
V	23UMA5CC9		Core - IX	Mechanics	6	6	25	75	100
	23UMA5CC10		Core - X	Modern Algebra	5	5	25	75	100
	23UMA5CC11	III	Core - XI	Real Analysis	5	5	25	75	100
	23UMA5CC12		Core - XII	Numerical Methods with Mathematica	5	5	25	75	100
	23UMA5DE1A/B		Discipline Specific Elective - I		5	4	25	75	100
	23UMA5SE1P	IV	Skill Enhancement Course - I	Latex - Practical	2	1	-	100	100
	23UMA5SE2P		Skill Enhancement Course - II	App Development - Practical	2	1	-	100	100
	23UMA5EC1	V	Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	**30**	**27**			**700**
VI	23UMA6CC13		Core - XIII	Linear Algebra	6	6	25	75	100
	23UMA6CC14		Core - XIV	Complex Analysis	6	6	25	75	100
	23UMA6CC15		Core - XV	Number Theory	5	5	25	75	100
	23UMA6PW	III	Project Work	Group Project	3	2	-	100	100
	23UMA6DE2A/B		Discipline Specific Elective - II		5	4	25	75	100
	23UMA6DE3A/B		Discipline Specific Elective - III		4	4	25	75	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UMA6EC2	V	Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UMAECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
	* Programme Specific Online Course for Advanced Learners **** Any Online Course for Enhancing Additional Skills**			**Total**	**30**	**28**			**700**
				Grand Total		**148**			**4400**

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UMA3GE1	Mathematics for Competitive Examination - I
IV	23UMA4GE2	Mathematics for Competitive Examination - II

Self-Study Course – Basic and Advanced Tamil
(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UMA5DE1A	Graph Theory
	23UMA5DE1B	Control Theory
VI	23UMA6DE2A	Operations Research
	23UMA6DE2B	Discrete Mathematics
	23UMA6DE3A	Astronomy
	23UMA6DE3B	Fuzzy Set Theory

ALLIED MATHEMATICS FOR B.Sc. COMPUTER SCIENCE

Sem	Course Code	Part	Course	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23UMA1AC1	III	Allied - I	Linear Algebra and Differential Equations	4	3	25	75	100
	23UMA1AC2		Allied - II	Numerical Methods with Octave	4	3	25	75	100
				Total	8	6			200
II	23UMA2AC3	III	Allied - III	Operations Research	4	3	25	75	100
	23UMA2AC4		Allied - IV	Statistics	3	3	25	75	100
				Total	7	6			200
				Grand Total		12			400

ALLIED MATHEMATICS FOR B.Sc. PHYSICS

Sem	Course Code	Part	Course	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
III	23UMA3AC5:2	III	Allied - V	Differential and Integral Calculus	4	3	25	75	100
	23UMA3AC6:2		Allied - VI	Algebra and Trigonometry	3	3	25	75	100
				Total	7	6			200
IV	23UMA4AC7:2	III	Allied - VII	Differential Equations	4	3	25	75	100
	23UMA4AC8:2		Allied - VIII	Vector Calculus and Fourier series	4	3	25	75	100
				Total	8	6			200
				Grand Total		12			400

ALLIED MATHEMATICS FOR B.Sc. CHEMISTRY

Sem	Course Code	Part	Course	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
III	23UMA3AC5:3	III	Allied - V	Differential Calculus	4	3	25	75	100
	23UMA3AC6:3		Allied - VI	Algebra and Trigonometry	3	3	25	75	100
				Total	7	6			200
IV	23UMA4AC7:3	III	Allied - VII	Ordinary and Partial Differential Equations	4	3	25	75	100
	23UMA4AC8:3		Allied - VIII	Statistics and Vector Calculus	4	3	25	75	100
				Total	8	6			200
				Grand Total		12			400

B.Sc. MICROBIOLOGY

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/LF1/ LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UMB1CC1	III	Core - I	Fundamentals of Microbiology	5	5	25	75	100
	23UMB1CC2P		Core - II	Fundamentals of Microbiology - Practical	3	3	20	80	100
	23UMB1AC1		Allied - I	General Biochemistry	5	4	25	75	100
	23UMB1AC2P		Allied - II	General Biochemistry - Practical	3	2	20	80	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	30	22			700
II	23U2LT2/LA2/LF2/ LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UMB2CC3	III	Core – III	Bacteriology	5	5	25	75	100
	23UMB2CC4P		Core - IV	Bacteriology - Practical	3	3	20	80	100
	23UMB2AC3		Allied - III	Haematology	5	4	25	75	100
	23UMB2AC4P		Allied - IV	Haematology - Practical	3	2	20	80	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1 / 23U2AT1		Basic Tamil - I / Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I / தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100 #	-
	@ Only grades will be given			**Total**	30	22			700
III	23U3LT3/LA3/LF3/ LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UMB3CC5	III	Core - V	Microbial Physiology	4	4	25	75	100
	23UMB3CC6P		Core - VI	Microbial Physiology - Practical	3	3	20	80	100
	23UMB3AC5		Allied - V	Basics of Immunology	4	4	25	75	100
	23UMB3AC6P		Allied - VI	Basics of Immunology - Practical	3	2	20	80	100
	23UMB3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	30	23			800
IV	23U4LT4/LA4/LF4/ LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UMB4CC7	III	Core - VII	Medical Microbiology	6	6	25	75	100
	23UMB4CC8P		Core - VIII	Medical Microbiology - Practical	3	3	20	80	100
	23UMB4AC7		Allied - VII	Soil and Agricultural Microbiology	4	4	25	75	100
	23UMB4AC8P		Allied - VIII	Soil and Agricultural Microbiology - Practical	3	2	20	80	100
	23UMB4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Internship	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NSS, NCC, etc.	-	1	-	-	-
	23U4BT2 / 23U4AT2		Basic Tamil - II / Advanced Tamil – II	எழுத்தும் இலக்கியமும் அறிமுகம் - II / தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100 #	-
				Total	30	26			800
V	23UMB5CC9	III	Core - IX	Microbial Genetics	6	6	25	75	100
	23UMB5CC10		Core - X	Molecular Biology	5	5	25	75	100
	23UMB5CC11		Core - XI	Enzyme Technology	5	5	25	75	100
	23UMB5CC12P		Core - XII	Microbial Genetics, Molecular Biology and Enzyme Technology - Practical	5	5	20	80	100
	23UMB5DE1A/B		Discipline Specific Elective - I		5	4	25	75	100
	23UMB5SE1	IV	Skill Enhancement Course - I	Biotechniques	2	1	-	100	100
	23UMB5SE2		Skill Enhancement Course - II	Bioinoculant Technology	2	1	-	100	100
	23UMB5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	30	27			700
VI	23UMB6CC13	III	Core - XIII	Environmental Microbiology	6	6	25	75	100
	23UMB6CC14		Core - XIV	Food Microbiology	6	6	25	75	100
	23UMB6CC15P		Core - XV	Environmental Microbiology and Food Microbiology - Practical	5	5	25	75	100
	23UMB6PW		Project Work	Project Work	3	2	-	100	100
	23UMB6DE2A/B		Discipline Specific Elective - II		5	4	25	75	100
	23UMB6DE3A/B		Discipline Specific Elective - III		4	4	25	75	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UMB6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UMBECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills			**Total**	30	28			700
				Grand Total		148			4400

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UMB3GE1	Food Process Technology
IV	23UMB4GE2	Dairy Microbiology

[#] Self-Study Course – Basic and Advanced Tamil

(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UMB5DE1A	Introduction to Virology
	23UMB5DE1B	Textile Microbiology
VI	23UMB6DE2A	Fermentation Technology
	23UMB6DE2B	Medical Entomology
	23UMB6DE3A	Recombinant DNA Technology
	23UMB6DE3B	Bioinformatics and Biostatistics

B.Sc. NUTRITION AND DIETETICS

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/ LF1/LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UND1CC1	III	Core - I	Food Science	5	5	25	75	100
	23UND1CC2P		Core - II	Food Science - Practical	3	3	20	80	100
	23UND1AC1		Allied - I	Principles of Nutrition	5	4	25	75	100
	23UND1AC2P		Allied - II	Principles of Nutrition - Practical	3	2	20	80	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	**30**	**22**			**700**
II	23U2LT2/LA2/LF2/ LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UND2CC3	III	Core - III	Nutrition through Life Cycle	5	5	25	75	100
	23UND2CC4P		Core - IV	Nutrition through Life Cycle - Practical	3	3	20	80	100
	23UND2AC3		Allied - III	Human Physiology	5	4	25	75	100
	23UND2AC4P		Allied - IV	Human Physiology- Practical	3	2	20	80	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1 / 23U2AT1		Basic Tamil - I / Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I / தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100 #	-
@Only grades will be given				**Total**	**30**	**22**			**700**
III	23U3LT3/LA3/ LF3/LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UND3CC5	III	Core - V	Dietetics - I	4	4	25	75	100
	23UND3CC6P		Core - VI	Dietetics - I - Practical	3	3	20	80	100
	23UND3AC5		Allied - V	Nutritional Biochemistry	4	4	25	75	100
	23UND3AC6P		Allied - VI	Nutritional Biochemistry - Practical	3	2	20	80	100
	23UND3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UND3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	**30**	**23**			**800**
IV	23U4LT4/LA4/ LF4/LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UND4CC7	III	Core - VII	Dietetics - II	6	6	25	75	100
	23UND4CC8P		Core - VIII	Dietetics - II - Practical	3	2	20	80	100
	23UND4AC7		Allied - VII	Fundamentals of Food Microbiology	4	4	25	75	100
	23UND4AC8P		Allied - VIII	Fundamentals of Food Microbiology - Practical	3	2	20	80	100
	23UND4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Internship	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-
	23U4BT2 / 23U4AT2		Basic Tamil - II / Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II/ தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100 #	-
				Total	**30**	**25**			**800**
V	23UND5CC9	III	Core - IX	Food Processing and Preservation	6	6	25	75	100
	23UND5CC10P		Core - X	Food Processing and Preservation -Practical	5	5	20	80	100
	23UND5CC11		Core - XI	Food Service Management - I	5	5	25	75	100
	23UND5CC12		Core - XII	Bakery & Confectionery	5	5	25	75	100
	23UND5DE1A/BP		Discipline Specific Elective - I		5	4	20	80	100
	23UND5SE1	IV	Skill Enhancement Course - I	Entrepreneurial Practices in Food Industry	2	1	-	100	100
	23UND5SE2P		Skill Enhancement Course - II	Application of Computer in Nutrition and Dietetics - Practical	2	1	-	100	100
	23UND5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	**30**	**27**			**700**
VI	23UND6CC13	III	Core - XIII	Food Service Management - II	5	5	25	75	100
	23UND6CC14P		Core - XIV	Food Service Management - Practical	5	5	20	80	100
	23UND6CC15		Core - XV	Community Nutrition	5	5	25	75	100
	23UND6CC16		Core - XVI	Food Safety and Quality Control	5	5	25	75	100
	23UND6DE2A/B		Discipline Specific Elective - II		4	4	25	75	100
	23UND6DE3A/B		Discipline Specific Elective - III		5	4	25	75	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UND6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UNDECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
* Programme Specific Online Course for Advanced Learners **** Any Online Course for Enhancing Additional Skills**				**Total**	**30**	**29**			**700**
				Grand Total		**148**			**4400**

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UND3GE1	Nutrition For Women
IV	23UND4GE2	Culinary Art

Self-Study Course – Basic and Advanced Tamil

(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
II	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
IV	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UND5DE1AP	Bakery & Confectionery - Practical
V	23UND5DE1BP	Food Adulteration - Practical
VI	23UND6DE2A	Instrumentation in Food Analysis
VI	23UND6DE2B	Sports Nutrition
VI	23UND6DE3A	Perspectives of Home Science
VI	23UND6DE3B	Food Chemistry

B.Voc. FOOD PROCESSING AND SAFETY

Sem	Part	Course	Course Code	Course Title	Ins. Hrs/ Week	Total Hours	Credits	CIA	ESE	Total
I	I	General	23B1LT1/ 23B1LBT1	Language - I - Tamil / Basic Tamil - I	2	30	2	25	75	100
	II	General	23BCN1LE1	Communicative Grammar	2	30	2	25	75	100
	III	General	23BFP1G1	Food Science	3	45	3	25	75	100
		General	23BFP1G2	Bakery and Confectionery - I	3	45	3	25	75	100
		Skill	23BFP1S3P	Food Science - Practical	9	135	6	20	80	100
		Skill	23BFP1S4P	Bakery and Confectionery - I - Practical	9	135	6	20	80	100
		Skill	23BFP1S5I	Bakery and Confectionery - I Internship	-	180	6	20	80	100
	IV	General	23BCN1AE1	Value Education	2	30	2	100	-	100
				Total	**30**	**630**	**30**	**260**	**30**	**800**
II	I	General	23B2LT2/ 23B2LBT2	Language - II - Tamil / Basic Tamil - II	2	30	2	25	75	100
	II	General	23BCN2LE2	English	2	30	2	25	75	100
	III	General	23BFP2G6	Principles of Nutrition	3	45	3	25	75	100
		General	23BFP2G7	Bakery and Confectionery - II	3	45	3	25	75	100
		Skill	23BFP2S8P	Principles of Nutrition - Practical	9	135	6	20	80	100
		Skill	23BFP2S9P	Bakery and Confectionery - II - Practical	9	135	6	20	80	100
		Skill	23BFP2S10I	Bakery and Confectionery - II Internship	-	180	6	20	80	100
	IV	General	23BCN2SS	Soft Skills Development	2	30	2	100	-	100
				Total	**30**	**630**	**30**	**260**	**540**	**800**
III	III	General	23BFP3G11	Principles of Food Preservation	2	30	2	25	75	100
		General	23BFP3G12	Food Processing - I	4	60	4	25	75	100
		General	23BFP3G13	Food Chemistry	2	30	2	25	75	100
		General	23BFP3G14	Food Microbiology	2	30	2	25	75	100
		Skill	23BFP3S15P	Food Processing - I - Practical	9	135	6	20	80	100
		Skill	23BFP3S16P	Food Chemistry and Food Microbiology - Practicals	9	135	6	20	80	100
		Skill	23BFP3S17I	Food Processing - I Internship	-	180	6	20	80	100
	IV	General	23BCN3AE2	Environmental Studies	2	30	2	100	-	100
				Total	**30**	**630**	**30**	**260**	**30**	**800**
IV	III	General	23BFP4G18	Food Processing - II	4	45	4	25	75	100
		General	23BFP4G19	General Biochemistry	3	45	3	25	75	100
		General	23BFP4G20	Food Service Management	3	45	3	25	75	100
		General	23BFP4G21	Entrepreneurship Skill in Food Industry	2	30	2	25	75	100
		Skill	23BFP4S22P	Food Processing - II - Practical	9	135	6	20	80	100
		Skill	23BFP4S23P	General Biochemistry and Food service Management - Practicals	9	135	6	20	80	100
		Skill	23BFP4S24I	Food Processing - II Internship	-	180	6	20	80	100
				Total	**30**	**630**	**30**	**260**	**30**	**800**
V	III	General	23BFP5G25	Food Processing - III	4	60	4	25	75	100
		General	23BFP5G26	Food Product Development	3	45	3	25	75	100
		General	23BFP5G27	Nutrition through life cycle	3	45	3	25	75	100
		General	23BFP5G28	Marketing Management	2	30	2	25	75	100
		Skill	23BFP5S29P	Food Processing - III - Practical	9	135	6	20	80	100
		Skill	23BFP5S30P	Food Product Development and Nutrition through life cycle - Practicals	9	135	6	20	80	100
		Skill	23BFP5S31I	Food Processing - III Internship	-	180	6	20	80	100
				Total	**30**	**630**	**30**	**160**	**30**	**700**
VI	III	General	23BFP6G32	Human Physiology	3	45	3	25	75	100
		General	23BFP6G33	Diet Therapy	3	45	3	25	75	100
		General	23BFP6G34	Food Packaging and Labelling	3	45	3	25	75	100
		General	23BFP6G35	Food standards and Safety	2	45	2	25	75	100
		Skill	23BFP6S36P	Diet Therapy and Application of computer - Practicals	9	135	6	20	80	100
		Skill	23BFP6S37P	Food Packaging and Labelling - Practical	9	135	6	20	80	100
		Skill	23BFP6S38I	Food Packaging and Labelling Internship	-	180	6	20	80	100
	IV	General	23BCN6AE3	Gender Studies	1	15	1	100	-	100
				Total	**30**	**630**	**30**	**160**	**30**	**700**
				Grand Total	**180**	**3780**	**180**	**1360**	**180**	**4600**

B.Sc. PHYSICS

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/LF1 /LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UPH1CC1		Core - I	Properties of Matter and Acoustics	5	5	25	75	100
	23UPH1CC2P	III	Core - II	Properties of Matter - Practical	3	3	20	80	100
	23UCH1AC1:1		Allied - I	Inorganic, organic and Physical Chemistry - I	5	4	25	75	100
	23UCH1AC2P		Allied - II	Volumetric Estimations - Practical	3	2	20	80	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	**30**	**22**			**700**
II	23U2LT2/LA2/LF2 /LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UPH2CC3		Core - III	Mechanics and Relativity	6	6	25	75	100
	23UPH2CC4P	III	Core - IV	Heat and Optics - Practical	3	3	20	80	100
	23UCH2AC3:1		Allied - III	Inorganic, organic and Physical Chemistry - II	4	4	25	75	100
	23UCH2AC4P		Allied - IV	Organic Analysis - Practical	3	2	20	80	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1/ 23U2AT1		Basic Tamil - I/ Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I/ தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100#	-
	@Only grades will be given			**Total**	**30**	**23**			**700**
III	23U3LT3/LA3/LF3 /LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UPH3CC5		Core - V	Heat, Thermodynamics and Statistical Mechanics	4	4	25	75	100
	23UPH3CC6P	III	Core - VI	Thermal and Electricity - Practical	3	3	20	80	100
	23UMA3AC5:2		Allied - V	Differential and integral calculus	4	3	25	75	100
	23UMA3AC6:2		Allied - VI	Algebra and Trigonometry	3	3	25	75	100
	23UPH3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	**30**	**23**			**800**
IV	23U4LT4/LA4/LF4 /LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UPH4CC7		Core - VII	Optics and Spectroscopy	5	5	25	75	100
	23UPH4CC8P	III	Core - VIII	Measurement and Calibration - Practical	3	3	20	80	100
	23UMA4AC7:2		Allied - VII	Differential Equations	4	3	25	75	100
	23UMA4AC8:2		Allied - VIII	Vector Calculus and Fourier Series	4	3	25	75	100
	23UPH4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Internship / Industrial Visit	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NSS, NCC, etc.	-	1	-	-	-
	23U4BT2/ 23U4AT2		Basic Tamil - II/ Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II/ தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100#	-
				Total	**30**	**25**			**800**
V	23UPH5CC9P1		Core - IX	Advanced Optics Experiments and Python Programming - Practical	3	3	10	40	50
	23UPH5CC9P2			Analog Electronics and Microprocessor - Practical	3	3	10	40	50
	23UPH5CC10	III	Core - X	Electricity, Magnetism and Electromagnetism	5	5	25	75	100
	23UPH5CC11		Core - XI	Atomic Physics	5	5	25	75	100
	23UPH5CC12		Core - XII	Nuclear Physics	5	5	25	75	100
	23UPH5DE1A/B		Discipline Specific Elective - I		5	4	25	75	100
	23UPH5SE1	IV	Skill Enhancement Course - I	Scientific Programming in Python	2	1	-	100	100
	23UPH5SE2		Skill Enhancement Course - II	Electrical and Electronic Instrumentation	2	1	-	100	100
	23UPH5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	**30**	**27**			**700**
VI	23UPH6CC13P1		Core - XIII	General Experiments and Python Programming - Practical	3	3	10	40	50
	23UPH6CC13P2			Digital Electronics and Microprocessor - Practical	3	3	10	40	50
	23UPH6CC14		Core - XIV	Wave Mechanics	6	6	25	75	100
	23UPH6CC15	III	Core - XV	Laser and Medical Physics	5	5	25	75	100
	23UPH6PW		Project Work	Project Work	3	2	-	100	100
	23UPH6DE2A/B		Discipline Specific Elective - II		5	4	25	75	100
	23UPH6DE3A/B		Discipline Specific Elective - III		4	4	25	75	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UPH6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UPHECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
	*Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills			**Total**	**30**	**28**			**700**
				Grand Total		**148**			**4400**

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UPH3GE1	Astronomical Science
IV	23UPH4GE2	Medical Physics

#Self-Study Course – Basic and Advanced Tamil

(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UPH5DE1A	Semiconductor Devices and Circuits
	23UPH5DE1B	Fundamentals of Nanoscience
VI	23UPH6DE2A	Digital Electronics and Microprocessor
	23UPH6DE2B	Materials Science
	23UPH6DE3A	Non Conventional Energy Physics
	23UPH6DE3B	Astrophysics

ALLIED COURSE STRUCTURE FOR CHEMISTRY & MATHEMATICS

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks		Total
						CIA	ESE	
I	23UPH1AC1	Allied - I	Fundamentals of Physics	5	4	25	75	100
	23UPH1AC2P	Allied - II	Properties of Matter - Practical	3	2	20	80	100
II	23UPH2AC3	Allied - III	Essentials of Physics	4	4	25	75	100
	23UPH2AC4P	Allied - IV	Optical, Thermal and Electricity - Practical	3	2	20	80	100

ALLIED COURSE STRUCTURE FOR B.Sc. COMPUTER SCIENCE

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks		Total
						CIA	ESE	
III	23UPH3AC5	Allied - V	Electronic Circuits and Devices	4	4	25	75	100
	23UPH3AC6P	Allied - VI	Electronics - Practical	3	2	20	80	100
IV	23UPH4AC7	Allied - VII	Digital Electronics and Microprocessor	5	4	25	75	100
	23UPH4AC8P	Allied - VIII	Digital and Microprocessor - Practical	3	2	20	80	100

B.A. LITERATURE

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/A/ LA1/LF1/LH1/LU1/	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UTA1CC1		Core - I	நன்னூல் - எழுத்ததிகாரம்	4	4	25	75	100
	23UTA1CC2	III	Core - II	கவிதை இலக்கியம்	4	4	25	75	100
	23UTA1AC1		Allied - I	தமிழக வரலாறும் பண்பாடும்	4	3	25	75	100
	23UTA1AC2		Allied - II	மக்கள் தகவல் தொடர்பியல்	4	3	25	75	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	**30**	**22**			**700**
II	23U2LT2/A/ LA2/LF2/LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UTA2CC3		Core - III	நன்னூல் - சொல்லதிகாரம்	5	5	25	75	100
	23UTA2CC4	III	Core - IV	புறப்பொருள் வெண்பாமாலை	4	4	25	75	100
	23UTA2AC3		Allied - III	நாட்டுப்புறவியல்	4	4	25	75	100
	23UTA2AC4		Allied - IV	திரைப்படக்கலை	3	2	25	75	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1 / 23U2AT1		Basic Tamil - I / Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I / தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100 #	-
	@ Only grades will be given			**Total**	**30**	**23**			**700**
III	23U3LT3/LA3/LF3/L H3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UTA3CC5		Core - V	சமய இலக்கியம்	4	4	25	75	100
	23UTA3CC6	III	Core – VI	யாப்பருங்கலக்காரிகை	3	3	25	75	100
	23UTA3AC5		Allied - V	புனைகதை இலக்கியம்	4	3	25	75	100
	23UTA3AC6		Allied - VI	மொழி வரலாறு	3	3	25	75	100
	23UTA3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	**30**	**23**			**800**
IV	23U4LT4/LA4/LF4/L H4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UTA4CC7		Core - VII	தொல்காப்பியம் - எழுத்ததிகாரம்	4	4	25	75	100
	23UTA4CC8	III	Core - VIII	சிற்றிலக்கியம்	4	4	25	75	100
	23UTA4AC7		Allied - VII	நாடகக்கலை	4	3	25	75	100
	23UTA4AC8		Allied - VIII	அரசுப்பணித் தேர்வுத் தமிழ்	4	3	25	75	100
	23UTA4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Field Visit	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-
	23U4BT2 / 23U4AT2		Basic Tamil - II / Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II / தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100 #	-
				Total	**30**	**25**			**800**
V	23UTA5CC9		Core - IX	தொல்காப்பியம் - சொல்லதிகாரம்	6	6	25	75	100
	23UTA5CC10		Core - X	உரைநடை இலக்கியம்	5	5	25	75	100
	23UTA5CC11	III	Core - XI	நம்பியகப்பொருள்	5	5	25	75	100
	23UTA5CC12		Core - XII	காப்பியங்கள்	5	5	25	75	100
	23UTA5DE1A/B		Discipline Specific Elective - I		5	4	25	75	100
	23UTA5SE1	IV	Skill Enhancement Course - I	தமிழின் செம்மொழிப் பண்புகள்	2	1	-	100	100
	23UTA5SE2		Skill Enhancement Course - II	தொல்லியல்	2	1	-	100	100
	23UTA5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	**30**	**27**			**700**
VI	23UTA6CC13		Core - XIII	தொல்காப்பியம் - பொருளதிகாரம்	6	6	25	75	100
	23UTA6CC14		Core - XIV	தண்டியலங்காரம்	5	5	25	75	100
	23UTA6CC15	III	Core - XV	சங்க இலக்கியம்	6	6	25	75	100
	23UTA6PW		Project Work	Project Work	3	2	-	100	100
	23UTA6DE2A/B		Discipline Specific Elective - II		4	4	25	75	100
	23UTA6DE3A/B		Discipline Specific Elective - III		5	4	25	75	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UTA6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UTAECA		Extra Credit Course for all**	Online Course	-	*	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills			**Total**	**30**	**28**			**700**
				Grand Total		**148**			**4400**

PART - I - LANGUAGE

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks		Total
							CIA	ESE	
I	23U1LT1A	I	Language - I	தமிழியல் கல்வி ஆதார வளங்கள்*	6	3	25	75	100
II	23U2LT2A	I	Language - II	தமிழ்மொழி அமைப்பியல், மொழியியல் அறிமுகம்*	6	3	25	75	100

*For B.A. Literature students only

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks		Total
							CIA	ESE	
I	23U1LT1	I	Language - I	பொதுத்தமிழ் - 1 : தமிழ் இலக்கிய வரலாறு - 1	6	3	25	75	100
II	23U2LT2	I	Language - II	பொதுத்தமிழ் - 2 : தமிழ் இலக்கிய வரலாறு - 2	6	3	25	75	100

For B.A., B.Sc., B.B.A. and B.Com. Students

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UTA3GE1	பேச்சுக்கலை
IV	23UTA4GE2	எழுத்துக்கலை

#Self-Study Course – Basic and Advanced Tamil

(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UTA5DE1A	இலக்கியத் திறனாய்வு
	23UTA5DE1B	ஒப்பிலக்கியம்
VI	23UTA6DE2A	சிந்தனையியல்
	23UTA6DE2B	மொழிபெயர்ப்பியல்
	23UTA6DE3A	இஸ்லாமும் தமிழும்
	23UTA6DE3B	நுண்கலைகள்

B.Sc. VISUAL COMMUNICATION

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/LF1/ LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UVC1CC1		Core - I	Introduction to Visual Communication	5	5	25	75	100
	23UVC1CC2	III	Core - II	Advertising Basics	3	3	25	75	100
	23UVC1AC1P		Allied - I	Drawing - Practical	5	4	20	80	100
	23UVC1AC2P		Allied - II	Graphic Design - Practical	3	2	20	80	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	**30**	**22**			**700**
II	23U2LT2/LA2/LF2/ LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UVC2CC3		Core - III	Media, Culture and Society	6	6	25	75	100
	23UVC2CC4	III	Core - IV	New Media	3	3	25	75	100
	23UVC2AC3P		Allied - III	Painting - Practical	4	4	20	80	100
	23UVC2AC4P		Allied - IV	Digital Art - Practical	3	2	20	80	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1 / 23U2AT1		Basic Tamil - I / Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I / தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100 #	-
@ Only grades will be given				**Total**	**30**	**23**			**700**
III	23U3LT3/LA3/LF3/ LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UVC3CC5		Core - V	Communication Theories	4	4	25	75	100
	23UVC3CC6P	III	Core - VI	2D animation - Practical	3	2	20	80	100
	23UVC3AC5		Allied - V	Media Psychology	3	3	25	75	100
	23UVC3AC6P		Allied - VI	Photography - Practical	4	3	20	80	100
	23UVC3GE1P	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	**30**	**22**			**800**
IV	23U4LT4/LA4/LF4/ LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UVC4CC7		Core - VII	Elements of Film	3	3	25	75	100
	23UVC4CC8P	III	Core - VIII	Television Production - Practical	5	5	20	80	100
	23UVC4AC7P		Allied - VII	Radio Production - Practical	5	4	20	80	100
	23UVC4AC8		Allied – VIII	Writing for Mass Media	3	2	25	75	100
	23UVC4GE2P	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Internship	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-
	23U4BT2 / 23U4AT2		Basic Tamil - II / Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II / தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100#	-
				Total	**30**	**25**			**800**
V	23UVC5CC9		Core - IX	Media Laws and Ethics	5	5	25	75	100
	23UVC5CC10		Core - X	Media Research Orientation	5	5	25	75	100
	23UVC5CC11	III	Core - XI	Visual Analysis	6	6	25	75	100
	23UVC5CC12P		Core - XII	3D animation - Practical	6	6	20	80	100
	23UVC5DE1A/B		Discipline Specific Elective - I		4	4	25	75	100
	23UVC5SE1P	IV	Skill Enhancement Course - I	Entrepreneurship Skills - Practical	2	1	-	100	100
	23UVC5SE2P		Skill Enhancement Course - II	Art of Acting - Practical	2	1	-	100	100
	23UVC5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	**30**	**28**			**700**
VI	23UVC6CC13		Core - XIII	Communication for Development	4	4	25	75	100
	23UVC6CC14		Core - XIV	Media Relations	5	5	25	75	100
	23UVC6CC15P	III	Core - XV	Domain Study - Practical	4	4	20	80	100
	23UVC6CC16P		Core - XVI	Visual Effects - Practical	6	6	20	80	100
	23UVC6DE2A/BP		Discipline Specific Elective - II		6	4	20	80	100
	23UVC6DE3A/BP		Discipline Specific Elective - III		4	4	20	80	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UVC6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UVCECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
* Programme Specific Online Course for Advanced Learners **** Any Online Course for Enhancing Additional Skills**				**Total**	**30**	**28**			**700**
				Grand Total		**148**			**4400**

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UVC3GE1P	Pencil Sketching - Practical
IV	23UVC4GE2P	Art from Anything - Practical

Self-Study Course – Basic and Advanced Tamil

(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UVC5DE1A	Media Production
	23UVC5DE1B	Film Appreciation
VI	23UVC6DE2AP	Editing - Practical
	23UVC6DE2BP	Web Designing
	23UVC6DE3AP	Show Reel Creation - Practical
	23UVC6DE3BP	Creative Advertising - Practical

B.Voc. MEDIA PRODUCTION

Sem	Part	Course	Course Code	Course Title	Total Hours	Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	I	General	23B1LT1	Language - I - Tamil / Basic Tamil - I	30	2	2	25	75	100
	II	General	23BCN1LE1	English - I	30	2	2	25	75	100
	III	General	23BMP1G1	Introduction to Media and Entertainment	45	3	3	25	75	100
	III	General	23BMP1G2	Art and Aesthetics	45	3	3	25	75	100
	III	Skill	23BMP1S3P	Art and Print Production - Practical	135	9	6	20	80	100
	III	Skill	23BMP1S4P	Graphic Design - Practical	135	9	6	20	80	100
	III	Skill	23BMP1I5	Digital Design - Internship	180	-	6	-	100	100
	IV	General	23BCN1AE1	Value Education	30	2	2	-	-	100
				Total	**630**	**30**	**30**	**140**	**560**	**800**
II	I	General	23B1LT2	Language - II - Tamil / Basic Tamil - II	30	2	2	25	75	100
	II	General	23BCN1LE2	English - II	30	2	2	25	75	100
	III	General	23BMP2G6	Media Production	45	3	3	25	75	100
	III	General	23BMP2G7	Fundamentals of Advertising	45	3	3	25	75	100
	III	Skill	23BMP2S8P	Audio Production - Practical	135	9	6	20	80	100
	III	Skill	23BMP2S9P	Radio Production - Practical	135	9	6	20	80	100
	III	Skill	23BMP2I10	Creative Advertising Internship	180	-	6	-	100	100
	IV	General	23BCN2SS	Soft Skills Development	30	2	2	-	-	100
				Total	**630**	**30**	**30**	**140**	**560**	**800**
III	III	General	23BMP3G11	News Reporting and Anchoring	30	2	2	25	75	100
	III	General	23BMP3G12	Basics of Media Psychology	45	3	3	25	75	100
	III	General	23BMP3G13	Script Writing	45	3	3	25	75	100
	III	General	23BMP3G14	Photo Journalism	30	2	2	25	75	100
	III	Skill	23BMP3S15P	Photography - Practical	135	9	6	20	80	100
	III	Skill	23BMP3S16P	Television Production - Practical	135	9	6	20	80	100
	III	Skill	23BMP3I17	Electronic Media Internship	180	-	6	-	100	100
	IV	General	23BCN3AE2	Environmental Studies	30	2	2	-	-	100
				Total	**630**	**30**	**30**	**140**	**560**	**800**
IV	III	General	23BMP4G18	E- Learning	30	2	2	25	75	100
	III	General	23BMP4G19	Media Culture and Society	45	3	3	25	75	100
	III	General	23BMP4G20	New Media	45	3	3	25	75	100
	III	General	23BMP4G21	Digital Journalism	60	4	4	25	75	100
	III	Skill	23BMP4S22P	Social Media Production - Practical	135	9	6	20	80	100
	III	Skill	23BMP4S23P	Web Designing - Practical	135	9	6	20	80	100
	III	Skill	23BMP4I24	Social Media Internship	180	-	6	-	100	100
				Total	**630**	**30**	**30**	**140**	**560**	**700**
V	III	General	23BMP5G25	Media Laws & Ethics	45	3	3	25	75	100
	III	General	23BMP5G26	Digital Intermediate	45	3	3	25	75	100
	III	General	23BMP5G27	Media Presentation Skills	45	3	3	25	75	100
	III	General	23BMP5G28	Elements of Film	45	3	3	25	75	100
	III	Skill	23BMP5S29P	Visual Story Telling - Practical	135	9	6	20	80	100
	III	Skill	23BMP5S30P	Animation - Practical	135	9	6	20	80	100
	III	Skill	23BMP5I31	Post Production - I Internship	180	-	6	-	100	100
				Total	**630**	**30**	**30**	**140**	**560**	**700**
VI	III	General	23BMP6G32	Media Relations	45	3	3	25	75	100
	III	General	23BMP6G33	Media Management	30	2	2	25	75	100
	III	General	23BMP6G34	Script Editing	45	3	3	25	75	100
	III	General	23BMP6G35	Event Management	45	3	3	25	75	100
	III	Skill	23BMP6S36P	AD Campaign - Practical	135	9	6	20	80	100
	III	Skill	23BMP6S37P	PR Campaign - Practical	135	9	6	20	80	100
	III	Skill	23BMP6I38	Public Relations Internship	180	-	6	-	100	100
	IV	General	23BCN6AE3	Gender Studies	15	1	1	-	-	100
				Total	**630**	**30**	**30**	**140**	**560**	**800**
				Grand Total	**3780**	**180**	**180**	**840**	**3360**	**4600**

General Course - 28		Skill Course - 18	Total No. of Courses
Language - 2	Environmental Studies - 1	Practical - 12	
English - 2	Gender Studies -1	Internship - 6	46
Value Education - 1	Soft Skills Development - 1		
Media Production (Theory) - 20		Media Production (Practical) - 18	

B.Sc. ZOOLOGY

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23U1LT1/LA1/LF1/ LH1/LU1	I	Language - I		6	3	25	75	100
	23UCN1LE1	II	English - I	English for Communication - I	6	3	25	75	100
	23UZO1CC1	III	Core - I	Biology of Invertebrates	5	5	25	75	100
	23UZO1CC2P		Core - II	Biology of Invertebrates - Practical - I	3	3	20	80	100
	23UCH1AC1:2		Allied - I	Inorganic, Organic and Physical Chemistry - I	5	4	25	75	100
	23UCH1AC2P		Allied - II	Volumetric Estimations - Practical	3	2	20	80	100
	23UCN1AE1	IV	AECC - I	Value Education	2	2	-	100	100
				Total	30	22			700
II	23U2LT2/LA2/LF2/ LH2/LU2	I	Language - II		6	3	25	75	100
	23UCN2LE2	II	English - II	English for Communication - II	6	3	25	75	100
	23UZO2CC3	III	Core - III	Biology of Chordates	6	6	25	75	100
	23UZO2CC4P		Core - IV	Biology of Chordates - Practical - II	3	3	20	80	100
	23UCH2AC3:2		Allied - III	Inorganic, Organic and Physical Chemistry-II	4	4	25	75	100
	23UCH2AC4P		Allied - IV	Organic Analysis - Practical	3	2	20	80	100
	23UCN2SS	IV	Soft Skills Development	Soft Skills Development	2	2	-	100	100
	23UCN2CO	V	Community Outreach	JAMCROP	-	@	-	-	@
	23U2BT1 / 23U2AT1		Basic Tamil - I / Advanced Tamil - I	எழுத்தும் இலக்கியமும் அறிமுகம் - I / தமிழ் இலக்கியமும் வரலாறும் - I	-	-	-	100#	-
	@ Only grades will be given			**Total**	30	23			700
III	23U3LT3/LA3/LF3/ LH3/LU3	I	Language - III		6	3	25	75	100
	23UCN3LE3	II	English - III	Poetry and One - Act Plays	6	3	25	75	100
	23UZO3CC5	III	Core - V	Cell & Molecular Biology	4	4	25	75	100
	23UZO3CC6P		Core - VI	Cell & Molecular Biology - Practical - III	3	3	20	80	100
	23UBO3AC5		Allied - V	Applied Botany - I	4	4	25	75	100
	23UBO3AC6P		Allied - VI	Laboratory Course for Applied Botany - I	3	2	20	80	100
	23UZO3GE1	IV	Generic Elective - I		2	2	-	100	100
	23UCN3AE2		AECC - II	Environmental Studies	2	2	-	100	100
				Total	30	23			800
IV	23U4LT4/LA4/LF4/ LH4/LU4	I	Language - IV		6	3	25	75	100
	23UCN4LE4	II	English - IV	English for Enrichment	6	3	25	75	100
	23UZO4CC7	III	Core - VII	Animal Physiology and Ethology	5	5	25	75	100
	23UZO4CC8P		Core - VIII	Animal Physiology and Ethology - Practical-IV	3	3	20	80	100
	23UZO4AC7		Allied - VII	Applied Botany - II	5	4	25	75	100
	23UZO4AC8P		Allied - VIII	Laboratory Course for Applied Botany - II	3	2	20	80	100
	23UZO4GE2	IV	Generic Elective - II		2	2	-	100	100
	23UCN4EL		Experiential Learning	Internship	-	2	-	100	100
	23UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-
	23U4BT2 / 23U4AT2		Basic Tamil - II / Advanced Tamil - II	எழுத்தும் இலக்கியமும் அறிமுகம் - II / தமிழ் இலக்கியமும் வரலாறும் - II	-	-	-	100#	-
				Total	30	25			800
V	23UZO5CC9	III	Core - IX	Biostatistics, Bioinformatics & Computer Application in Biology	6	6	25	75	100
	23UZO5CC10		Core - X	Genetics	5	5	25	75	100
	23UZO5CC11		Core - XI	Microbiology and Parasitology	5	5	25	75	100
	23UZO5CC12		Core - XII	Developmental Biology	5	5	25	75	100
	23UZO5DE1AP/BP		Discipline Specific Elective - I		5	4	20	80	100
	23UZO5SE1	IV	Skill Enhancement Course - I	Applied Zoology & Entomology	2	1	-	100	100
	23UZO5SE2		Skill Enhancement Course - II	Poultry Science	2	1	-	100	100
	23UZO5EC1		Extra Credit Course - I*	Online Course	-	*	-	-	-
				Total	30	27			700
VI	23UZO6CC13	III	Core - XIII	Biochemistry and Biophysics	6	6	25	75	100
	23UZO6CC14		Core - XIV	Immunology	6	6	25	75	100
	23UZO6CC15		Core - XV	Environmental Biology and Evolution	5	5	25	75	100
	23UZO6PW		Project Work	Project Work	3	2	-	100	100
	23UZO6DE2AP/BP		Discipline Specific Elective - II		5	4	20	80	100
	23UZO6DE3A/B		Discipline Specific Elective - III		4	4	25	75	100
	23UCN6AE3	IV	AECC - III	Gender Studies	1	1	-	100	100
	23UZO6EC2		Extra Credit Course - II*	Online Course	-	*	-	-	-
	23UZOECA		Extra Credit Course for all**	Online Course	-	**	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills			**Total**	30	28			700
				Grand Total		148			4400

GENERIC ELECTIVE COURSES

Semester	Course Code	Course Title
III	23UZO3GE1	Human Nutrition and Health
IV	23UZO4GE2	Vermiculture Technology and Organic Farming

Self-Study Course – Basic and Advanced Tamil

(Applicable to the candidates admitted from the academic year 2023 -2024 onwards)

Semester	Course Code	Course Title
II	23U2BT1	Basic Tamil – I (எழுத்தும் இலக்கியமும் அறிமுகம் - I)
	23U2AT1	Advanced Tamil – I (தமிழ் இலக்கியமும் வரலாறும் - I)
IV	23U4BT2	Basic Tamil – II (எழுத்தும் இலக்கியமும் அறிமுகம் - II)
	23U4AT2	Advanced Tamil – II (தமிழ் இலக்கியமும் வரலாறும் - II)

Mandatory

Basic Tamil Course - I and II are offered for the students who have not studied Tamil Language in their schools and college.

Advanced Tamil Course - I and II are offered for those who have studied Tamil Language in their schools but have opted for other languages under Part - I.

DISCIPLINE SPECIFIC ELECTIVES

Semester	Course Code	Course Title
V	23UZO5DE1AP	Biostatistics & Bioinformatics & Computer application in Biology, Genetics, Microbiology and Developmental Biology - Practical - V
	23UZO5DE1BP	Bioinstrumentation - I - Practical
VI	23UZO6DE2AP	Biochemistry and Biophysics, Immunology, Economic Entomology and Environmental Biology and Evolution - Practical - VI
	23UZO6DE2BP	Bioinstrumentation - II - Practical
	23UZO6DE3A	Biotechnology
	23UZO6DE3B	Introduction to Research Methodology

ALLIED ZOOLOGY FOR B.Sc. BOTANY

Sem	Course Code	Part	Course	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
III	23UZO3AC5	III	Allied - I	General Zoology	4	4	25	75	100
	23UZO3AC6P		Allied - II	General Zoology - Practical - I	3	2	20	80	100
				Total	**7**	**6**			**200**
IV	23UZO4AC7	III	Allied - III	Outlines of Zoology	5	4	25	75	100
	23UZO4AC8P		Allied - IV	Outlines of Zoology - Practical - II	3	2	20	80	100
				Total	**8**	**6**			**200**
				Grand Total	**15**	**12**			**400**

M.A. ARABIC

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23PAR1CC1	Core - I	Grammar	6	5	25	75	100
	23PAR1CC2	Core - II	Tafseer Literature	6	5	25	75	100
	23PAR1CC3	Core - III	Rhetoric & Prosody	6	5	25	75	100
	23PAR1CC4	Core - IV	History of Classical Arabic Literature	6	5	25	75	100
	23PAR1DE1A/B	Discipline Specific Elective - I		6	4	25	75	100
			Total	**30**	**24**			**500**
II	23PAR2CC5	Core - V	Hadeeth Literature	6	5	25	75	100
	23PAR2CC6	Core - VI	Classical Poetry	6	5	25	75	100
	23PAR2CC7	Core - VII	Islamic Philosophy	6	5	25	75	100
	23PAR2CC8	Core - VIII	History of Modern Arabic Literature	6	5	25	75	100
	23PAR2DE2A/B	Discipline Specific Elective - II		6	4	25	75	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
	@ Only grades will be given		**Total**	**30**	**24**			**500**
III	23PAR3CC9	Core - IX	Modern Prose	6	5	25	75	100
	23PAR3CC10	Core - X	Drama & Short Stories	6	5	25	75	100
	23PAR3CC11	Core - XI	Indo Arab Literature	6	5	25	75	100
	23PAR3CC12P	Core - XII	Arabic Interpretation - Practical	6	5	20	80	100
	23PAR3DE3A/B	Discipline Specific Elective - III		6	4	25	75	100
	23PAR3EC1	Extra Credit Course - I*	Online Course	-	*	-	-	-
			Total	**30**	**24**			**500**
IV	23PAR4CC13	Core - XIII	Modern Poetry	6	5	25	75	100
	23PAR4CC14	Core - XIV	Novel	6	5	25	75	100
	23PAR4CC15P	Core - XV	Media Arabic - Practical	6	5	20	80	100
	23PAR4DE4A/B	Discipline Specific Elective - IV		6	4	25	75	100
	23PAR4PW	Project Work	Project Work	6	4	-	100	100
	23PCNOC	Mandatory online course**	Online Course	-	1	-	100	100
	23PAR4EC2	Extra Credit Course - II*	Online Course	-	*	-	-	-
	* Programme Specific Online Course for Advanced Learners **** Any Online Course for Enhancing Additional Skills**		**Total**	**30**	**24**			**600**
			Grand Total		**96**			**2100**

DISCIPLINE SPECIFIC ELECTIVE

Semester	Course Code	Course Title
I	23PAR1DE1A	Arabic Translation and Communication
	23PAR1DE1B	Indian Islamic History
II	23PAR2DE2A	Translation Skills & Essays in Arabic
	23PAR2DE2B	Shiru's Sahaba
III	23PAR3DE3A	Autobiography
	23PAR3DE3B	Cultural History of Islam
IV	23PAR4DE4A	History of Arabic Literature in Spain
	23PAR4DE4B	The Ottoman Empire

M.Sc. BIOTECHNOLOGY

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23PBT1CC1	Core - I	Bioinstrumentation	6	5	25	75	100
	23PBT1CC2	Core - II	Advanced Biochemistry	6	5	25	75	100
	23PBT1CC3	Core - III	Immunology and Immunotechnology	6	5	25	75	100
	23PBT1CC4P	Core - IV	Bioinstrumentation, Advanced Biochemistry, Immunology and Immunotechnology - Practical	6	5	20	80	100
	23PBT1DE1A/B	Discipline Specific Elective - I		6	4	25	75	100
			Total	**30**	**24**			**500**
II	23PBT2CC5	Core - V	Enzyme Technology	6	5	25	75	100
	23PBT2CC6	Core - VI	Molecular Biology	6	5	25	75	100
	23PBT2CC7	Core - VII	Recombinant DNA Technology	6	5	25	75	100
	23PBT2CC8P	Core - VIII	Enzyme Technology, Molecular Biology, Recombinant DNA Technology - Practical	6	4	20	80	100
	23PBT2DE2A/B	Discipline Specific Elective - II		6	4	25	75	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
	@ Only Grades will be given		**Total**	**30**	**23**			**500**
III	23PBT3CC9	Core - IX	Plant Biotechnology	6	5	25	75	100
	23PBT3CC10	Core - X	Animal Biotechnology	6	5	25	75	100
	23PBT3CC11	Core - XI	Bioinformatics and Biostatistics	6	6	25	75	100
	23PBT3CC12P	Core - XII	Plant Biotechnology, Animal Biotechnology, Bioinformatics and Biostatistics - Practical	6	4	20	80	100
	23PBT3DE3A/B	Discipline Specific Elective - III		6	4	25	75	100
	23PBT3EC1	Extra Credit Course - I*	Online Course	-	*	-	-	-
			Total	**30**	**24**			**500**
IV	23PBT4CC13	Core - XIII	Microbial Technology	6	6	25	75	100
	23PBT4CC14	Core - XIV	Environmental Biotechnology	6	5	25	75	100
	23PBT4CC15	Core - XV	Bioprocess Technology	6	5	25	75	100
	23PBT4PW	Project	Project Work	12	8	-	200	200
	23PCNOC	Mandatory Online Course**	Online Course	-	1	-	100	100
	23PBT4EC2	Extra Credit Course - II*	Online Course	-	*	-	-	-
	* Programme Specific Online Course for Advanced Learners **** Any Online Course for Enhancing Additional Skills**		**Total**	**30**	**25**			**600**
			Grand Total		**96**			**2100**

DISCIPLINE SPECIFIC ELECTIVE

Semester	Course Code	Course Title
I	23PBT1DE1A	Biodiversity and Bioprospecting.
	23PBT1DE1B	Research methodology, IPR and Biosafety.
II	23PBT2DE2A	Genomics and Proteomics
	23PBT2DE2B	Pharmacognosy, Pharmacology and Nanomedicine
III	23PBT3DE3A	Stem Cell Biology
	23PBT3DE3B	Marine Biotechnology

M.Sc. BOTANY

Sem	Course Code	Course	Course Title	Ins. Hrs/ Week	Credit	Marks		Total
						CIA	ESE	
I	23PBO1CC1	Core - I	Thallophytes	6	5	25	75	100
	23PBO1CC2	Core - II	Archegoniatae and Paleobotany	6	5	25	75	100
	23PBO1CC3	Core - III	Microbiology, Plant Pathology and Immunology	6	5	25	75	100
	23PBO1CC4P	Core - IV	Laboratory Course for Core I, II and III - Practical	6	4	20	80	100
	23PBO1DE1A/B	Discipline Specific Elective - I		6	4	25	75	100
			Total	**30**	**23**			**500**
II	23PBO2CC5	Core - V	Cell and Molecular Biology	6	5	25	75	100
	23PBO2CC6	Core - VI	Anatomy, Embryology and Forensic Botany	6	5	25	75	100
	23PBO2CC7	Core - VII	Genetics and Plant Breeding	6	5	25	75	100
	23PBO2CC8P	Core - VIII	Laboratory Course for Core V, VI and VII - Practical	6	4	20	80	100
	23PBO2DE2A/B	Discipline Specific Elective - II		6	4	25	75	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
	@ Only grades will be given		**Total**	**30**	**23**			**500**
III	23PBO3CC9	Core - IX	Systematics of flowering plants and Ethnobotany	6	6	25	75	100
	23PBO3CC10	Core - X	Plant Physiology	6	6	25	75	100
	23PBO3CC11	Core - XI	Biomolecules, Bioenergetics and analytical instrumentation	6	5	25	75	100
	23PBO3CC12P	Core - XII	Laboratory Course for Core IX, X and XI - Practical	6	4	20	80	100
	23PBO3DE3A/B	Discipline Specific Elective - III		6	4	25	75	100
	23PBO3EC1	Extra Credit Course - I*	Online Course	-	*	-	100*	100*
			Total	**30**	**25**			**500**
IV	23PBO4CC13	Core - XIII	Plant Ecology and Conservation Biology	6	6	25	75	100
	23PBO4CC14	Core - XIV	Plant Biotechnology	6	6	25	75	100
	23PBO4CC15P	Core - XV	Laboratory Course for Core XIII and XIV - Practical	6	4	20	80	100
	23PBO4DE4A/B	Discipline Specific Elective - IV		6	4	25	75	100
	23PBO4PW	Project Work	Project Work	6	4	-	100	100
	23PCNOC	Mandatory online course**	Online Course	-	1	-	100	100
	23PBO4EC2	Extra Credit Course - II*	Online Course	-	*	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills		**Total**	**30**	**25**			**600**
			Grand Total		**96**			**2100**

DISCIPLINE SPECIFIC ELECTIVE

Sem	Course Code	Course Title
I	23PBO1DE1A	Applied Marine Botany
	23PBO1DE1B	Agricultural Microbiology
II	23PBO2DE2A	Floriculture for Entrepreneurship and Export
	23PBO2DE2B	Horticulture and Greenhouse Technology
III	23PBO3DE3A	Biostatistics and Bioinformatics
	23PBO3DE3B	Biodiversity and Conservation
IV	23PBO3DE4A	Plant Tissue Culture and Secondary Metabolites Production
	23PBO3DE4B	Marine Ecology

M.Sc. CHEMISTRY

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23PCH1CC1	Core - I	Solvents, Crystal Structures, Metallurgy and Nuclear Reactions	6	5	25	75	100
	23PCH1CC2	Core - II	Organic Reaction Mechanisms, Reagents, Terpenoids and Alkaloids	6	5	25	75	100
	23PCH1CC3P	Core - III	Inorganic Estimation and Complex Preparations - Practical	6	4	20	80	100
	23PCH1CC4P	Core - IV	Organic Estimation and Preparations - Practical	6	4	20	80	100
	23PCH1DE1A/B	Discipline Specific Elective - I		6	4	25	75	100
			Total	**30**	**22**			**500**
II	23PCH2CC5	Core - V	Stereochemistry, Organic Reactions and Steroids	6	6	25	75	100
	23PCH2CC6	Core - VI	Group Theory and Spectroscopy	6	6	25	75	100
	23PCH2CC7P	Core - VII	Inorganic Qualitative Analysis and Colorimetric Estimations - Practical	6	4	20	80	100
	23PCH2CC8P	Core - VIII	Qualitative Analysis of Organic Mixture and Chromatography Techniques - Practical	6	4	20	80	100
	23PCH2DE2A/B	Discipline Specific Elective - II		6	4	25	75	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
	@ **Only grades will be given**		**Total**	**30**	**24**			**500**
III	23PCH3CC9	Core - IX	Resonance, Photoelectron Spectroscopy of Inorganic Compounds and Bio-Medicinal Chemistry	6	6	25	75	100
	23PCH3CC10	Core - X	Organic Spectroscopy and Pericyclic Reactions	6	6	25	75	100
	23PCH3CC11	Core - XI	Industrial Chemistry	6	5	25	75	100
	23PCH3CC12P	Core - XII	Physical Chemistry Non-Electrical - Practical	6	4	20	80	100
	23PCH3DE3A/B	Discipline Specific Elective - III		6	4	25	75	100
	23PCH3EC1	Extra Credit Course - I*	Online Course	-	*	-	-	-
			Total	**30**	**25**			**500**
IV	23PCH4CC13	Core - XIII	Classical, Statistical Thermodynamics and Surface Phenomena	6	6	25	75	100
	23PCH4CC14	Core - XIV	Chemistry of Macromolecules	6	6	25	75	100
	23PCH4CC15P	Core - XV	Physical Chemistry Electrical - Practical	6	4	20	80	100
	23PCH4DE4A/B	Discipline Specific Elective - IV		6	4	25	75	100
	23PCH4PW	Project Work		6	4	-	100	100
	23PCNOC	Mandatory Online Course**	Online Course	-	1	-	100	100
	23PCH4EC2	Extra Credit Course - II*	Online Course	-	*	-	-	-
	* **Programme Specific Online Course for Advanced Learners** ** **Any Online Course for Enhancing Additional Skills**		**Total**	**30**	**25**			**600**
			Grand Total		**96**			**2100**

DISCIPLINE SPECIFIC ELECTIVE

Semester	Course Code	Course Title
I	23PCH1DE1A	Solution Kinetics, Electrode Process and Quantum Mechanics
	23PCH1DE1B	Quantum Chemistry and Spectroscopy
II	23PCH2DE2A	Organometallics and Inorganic Spectroscopy
	23PCH2DE2B	Chemistry of Inorganic Complexes
III	23PCH3DE3A	Medicinal Chemistry
	23PCH3DE3B	Chemistry of Materials
IV	23PCH4DE4A	Green and Nano Chemistry
	23PCH4DE4B	Environmental Chemistry and Quality Control

M.Com.

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23PCO1CC1	Core - I	Corporate & Economic Laws	6	5	25	75	100
	23PCO1CC2	Core - II	Managerial Economics	6	5	25	75	100
	23PCO1CC3	Core - III	Cost & Management Accounting	6	5	25	75	100
	23PCO1CC4	Core - IV	Goods & Service Tax	6	5	25	75	100
	23PCO1DE1A/B	Discipline Specific Elective - I		6	4	25	75	100
			Total	**30**	**24**			**500**
II	23PCO2CC5	Core - V	Advanced Income Tax	6	5	25	75	100
	23PCO2CC6	Core - VI	International Business	6	5	25	75	100
	23PCO2CC7	Core - VII	Operation Research	6	5	25	75	100
	23PCO2CC8	Core - VIII	Research Methodology	6	5	25	75	100
	23PCO2DE2A/B	Discipline Specific Elective - II		6	4	25	75	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
	@Only grades will be given		**Total**	**30**	**24**			**500**
III	23PCO3CC9	Core - IX	Data Analytics for Finance	6	5	25	75	100
	23PCO3CC10	Core - X	Higher Corporate Accounting	6	5	25	75	100
	23PCO3CC11P	Core - XI	Statistical Tools for Research - Practical	6	4	20	80	100
	23PCO3CC12	Core - XII	Securities Analysis & Portfolio Management	6	5	25	75	100
	23PCO3DE3A/B	Discipline Specific Elective - III		6	4	25	75	100
	23PCO3EC1	Extra Credit Course - I*	Online Course	-	*	-	-	-
			Total	**30**	**23**			**500**
IV	23PCO4CC13	Core - XIII	Strategic Management	6	6	25	75	100
	23PCO4CC14	Core - XIV	Project Finance	6	5	25	75	100
	23PCO4CC15P	Core - XV	Digital Marketing - Practical	6	5	20	80	100
	23PCO4DE4A/B	Discipline Specific Elective - IV		6	4	25	75	100
	23PCO4PW	Project Work	Project Work	6	4	-	100	100
	23PCNOC	Mandatory Online Course**	Online Course	-	1	-	100	100
	23PCO4EC2	Extra Credit Course - II*	Online Course	-	*	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills		**Total**	**30**	**25**			**600**
			Grand Total		**96**			**2100**

DISCIPLINE SPECIFIC ELECTIVE

Semester	Course Code	Course Title
I	23PCO1DE1A	HR Analytics
	23PCO1DE1B	Customer Relationship Management
II	23PCO2DE2A	Industrial Psychology
	23PCO2DE2B	Consumer Behaviour
III	23PCO3DE3A	Industrial Laws & CSR
	23PCO3DE3B	Brand Management
IV	23PCO4DE4A	Logistics & Supply Chain Management
	23PCO4DE4B	Industrial Relations

M.Sc. COMPUTER SCIENCE

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23PCS1CC1	Core - I	Mathematics for Computer Science	6	5	25	75	100
	23PCS1CC2	Core - II	Advanced Java Programming	6	5	25	75	100
	23PCS1CC3	Core - III	Web Development Tools	6	5	25	75	100
	23PCS1CC4P1	Core - IV (a)	Advanced Java Programming Lab - Practical	3	2	10	40	50
	23PCS1CC4P2	Core - IV (b)	Web Development Tools Lab - Practical	3	2	10	40	50
	23PCS1DE1A/B	Discipline Specific Elective - I		6	4	25	75	100
			Total	**30**	**23**			**500**
II	23PCS2CC5	Core - V	Database Systems	6	5	25	75	100
	23PCS2CC6	Core - VI	Python for Data Science	6	5	25	75	100
	23PCS2CC7	Core - VII	Design and Analysis of Algorithms	6	5	25	75	100
	23PCS2CC8P1	Core -VIII (a)	RDBMS Lab - Practical	3	2	10	40	50
	23PCS2CC8P2	Core - VIII (b)	Data Science Lab - Practical	3	2	10	40	50
	23PCS2DE2A/B	Discipline Specific Elective - II		6	4	25	75	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
	@ Only grades will be given		**Total**	**30**	**23**			**500**
III	23PCS3CC9	Core - IX	Principles of Complier Design	6	6	25	75	100
	23PCS3CC10	Core - X	Machine Learning and R Programming	6	5	25	75	100
	23PCS3CC11	Core - XI	Digital Image Processing	6	5	25	75	100
	23PCS3CC12P1	Core - XII (a)	Machine Learning Lab - Practical	3	2	10	40	50
	23PCS3CC12P2	Core - XII (b)	Image Processing Lab - Practical	3	2	10	40	50
	23PCS3DE3A/B	Discipline Specific Elective - III		6	4	25	75	100
	23PCS3EC1	Extra Credit Course - I*	Online Course	-	*	-	-	-
			Total	**30**	**24**			**500**
IV	23PCS4CC13	Core - XIII	Middleware Technologies	6	6	25	75	100
	23PCS4CC14P1	Core - XIV (a)	Web Framework Lab - Practical	3	3	10	40	50
	23PCS4CC14P2	Core - XIV (b)	Middleware Technology Lab - Practical	3	3	10	40	50
	23PCS4PW	Project Work	Industrial Experience and Project Work	18	13	-	300	300
	23PCNOC	Mandatory Online Course**	Online Course	-	1	-	100	100
	23PCS4EC2	Extra Credit Course - II*	Online Course	-	*	-	-	-
	* Programme Specific Online Course for Advanced Learners **** Any Online Course for Enhancing Additional Skills**		**Total**	**30**	**26**			**600**
			Grand Total	**120**	**96**			**2100**

DISCIPLINE SPECIFIC ELECTIVE

Semester	Course Code	Course Title
I	23PCS1DE1A	Advanced Computer Architecture
	23PCS1DE1B	Object Oriented Analysis and Design
II	23PCS2DE2A	Cloud Computing
	23PCS2DE2B	Distributed Operating System
III	23PCS3DE3A	Cryptography and Network Security
	23PCS3DE3B	Software Project Management

M.C.A

Sem	Subject Code	Course Category	Subject Title	Hrs/Week	Credit	Marks CIA	Marks ESE	Total
I	23MCA1CC1	Core - I	Programming in Java	4	3	25	75	100
	23MCA1CC2	Core - II	Computer System Architecture	4	3	25	75	100
	23MCA1CC3	Core - III	Database Systems	4	3	25	75	100
	23MCA1CC4	Core - IV	Resource Management Techniques	4	3	25	75	100
	23MCA1CC5	Core - V	Management Information Systems	4	3	25	75	100
	23MCA1CC6P	Core - VI	Java Programming Lab - Practical	4	3	20	80	100
	23MCA1CC7P	Core - VII	RDBMS Lab - Practical	4	3	20	80	100
	23MCA1SE1	Skill Enhancement Course - I	Communication Skills *	2	2	-	100	100
			Total	**30**	**23**			**800**
II	23MCA2CC8	Core - VIII	Data Structures and Algorithms	4	3	25	75	100
	23MCA2CC9	Core - IX	R Programming with Statistics	4	3	25	75	100
	23MCA2CC10	Core - X	Operating Systems	4	3	25	75	100
	23MCA2DE1A/B/C	Discipline Specific Elective - I		4	4	25	75	100
	23MCA2DE2A/B/C	Discipline Specific Elective - II		4	4	25	75	100
	23MCA2CC11P	Core - XI	Data Structures Lab - Practical	4	3	20	80	100
	23MCA2CC12P	Core - XII	R Programming Lab - Practical	4	3	20	80	100
	23MCA2SE2	Skill Enhancement Course - II	Quantitative Aptitude *	2	2	-	100	100
	23MCA2EC1	Extra Credit Course - I	Summer Internship #	-	2	-	-	-
			Total	**30**	**25**			**800**
III	23MCA3CC13	Core - XIII	Python Programming	4	3	25	75	100
	23MCA3CC14	Core - XIV	Web Programming	4	3	25	75	100
	23MCA3CC15	Core - XV	Artificial Intelligence and Machine Learning	4	3	25	75	100
	23MCA3DE3A/B/C	Discipline Specific Elective - III		4	4	25	75	100
	23MCA3DE4A/B/C	Discipline Specific Elective - IV		4	4	25	75	100
	23MCA3CC16P	Core - XVI	Python Programming Lab - Practical	4	3	20	80	100
	23MCA3CC17P	Core - XVII	Web Programming Lab - Practical	4	3	20	80	100
	23MCA3SE3	Skill Enhancement Course - III	Innovation and Startup Skills *	2	2	-	100	100
	23MCA3EC2	Extra Credit Course - II	Online Certificate Course #	-	1	-	-	-
			Total	**30**	**25**			**800**
IV	23MCA4CC18	Core - XVIII	Distributed Technology	4	3	25	75	100
	23MCA4DE5A/B/C	Discipline Specific Elective - V		4	4	25	75	100
	23MCA4CC19P	Core - XIX	Distributed Technology Lab - Practical	4	3	20	80	100
	23MCA4PW	Project Work	Industrial Experience and Project Work	18	12	25	75	100
	23MCA4EC3	Extra Credit Course - III	Online Certificate Course #	-	1	-	-	-
	23PCNOC	Mandatory Online Course**	Online Course	-	1	-	100	100
	# Not considered for Grand Total and CGPA * Paper fully Internal ** Any Course in Online with Credits		**Total**	**30**	**23**			**500**
			Grand Total	**120**	**96**			**2900**

DISCIPLINE SPECIFIC ELECTIVE

Semester	Course Category	Course Code	Course Title
II	Discipline Specific Electives - I	23MCA2DE1A	Computer Networks
		23MCA2DE1B	Network Security and Cryptography
		23MCA2DE1C	Mobile Application Development
	Discipline Specific Electives - II	23MCA2DE2A	Data Science
		23MCA2DE2B	Big Data Analytics
		23MCA2DE2C	Microprocessors, Interfacing and Applications
III	Discipline Specific Electives - III	23MCA3DE3A	Parallel Processing
		23MCA3DE3B	Quantum Computing
		23MCA3DE3C	Cloud Computing
	Discipline Specific Electives - IV	23MCA3DE4A	Software Testing
		23MCA3DE4B	Internet of Things
		23MCA3DE4C	Compiler Design
IV	Discipline Specific Electives - V	23MCA4DE5A	Organizational Dynamics
		23MCA4DE5B	Accounting and Financial Management
		23MCA4DE5C	Human Resource Management

MANDATORY BRIDGE COURSES FOR NON - COMPUTER SCIENCE STREAM STUDENTS - 30 CREDITS

Sem	Subject Code	Course	Subject Title	Hrs/ Week	Credit	CIA	ESE	Total Mark
I	23MCA1ACC1	ADDL. Core - I	Computer Programming & Utilization**	-	5	100	-	100
	23MCA1ACC2P	ADDL. Core - II	Computer Programming & Utilization Lab - Practical**	-	5	100	-	100
			Total	-	10	200		200
II	23MCA2ACC3	ADDL. Core - III	Web Design**	-	5	100	-	100
	23MCA2ACC4P	ADDL. Core - IV	HTML and JavaScript Lab - Practical**	-	5	100	-	100
			Total	-	10	200	-	200
III	23MCA3ACC5	ADDL. Core - V	Computer Graphics**	-	5	100	-	100
	23MCA3ACC6P	ADDL. Core - VI	Animation Lab - Practical**	-	5	100	-	100
	** Course Fully Internal and in Self-study Mode		Total	-	10	200	-	200

Extra Credit Courses	Semester	Credits
Summer Internship	End of II	2
Online Certificate Course	III	1
Online Certificate Course	IV	1
Total		4

M.Sc. INFORMATION TECHNOLOGY

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23PIT1CC1	Core - I	.NET Technologies	6	5	25	75	100
	23PIT1CC2	Core - II	Data Structures and Algorithms	6	5	25	75	100
	23PIT1CC3	Core - III	Database Systems	6	5	25	75	100
	23PIT1CC4P1	Core - IV (a)	.NET Lab - Practical	3	2	10	40	50
	23PIT1CC4P2	Core - IV (b)	RDBMS Lab - Practical	3	2	10	40	50
	23PIT1DE1A/B	Discipline Specific Elective - I		6	4	25	75	100
			Total	**30**	**23**			**500**
II	23PIT2CC5	Core - V	Java Programming	6	6	25	75	100
	23PIT2CC6	Core - VI	Mobile Communication	6	5	25	75	100
	23PIT2CC7	Core - VII	Data Science and R Programming	6	5	25	75	100
	23PIT2CC8P1	Core - VIII (a)	Java Programming Lab - Practical	3	2	10	40	50
	23PIT2CC8P2	Core - VIII (b)	R Programming Lab - Practical	3	2	10	40	50
	23PIT2DE2A/B	Discipline Specific Elective - II		6	4	25	75	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
	@ Only grades will be given		**Total**	**30**	**24**			**500**
III	23PIT3CC9	Core - IX	Software Quality Engineering	6	6	25	75	100
	23PIT3CC10	Core - X	XML and Web Services	6	5	25	75	100
	23PIT3CC11	Core - XI	Internet of Things	6	5	25	75	100
	23PIT3CC12P1	Core - XII (a)	Software Testing Lab - Practical	3	2	10	40	50
	23PIT3CC12P2	Core - XII (b)	XML and Web Services Lab - Practical	3	2	10	40	50
	23PIT3DE3A/B	Discipline Specific Elective - III		6	4	25	75	100
	23PIT3EC1	Extra Credit Course - I*	Online Course	-	*	-	-	-
			Total	**30**	**24**			**500**
IV	23PIT4CC13	Core - XIII	Open Source Technology	6	6	25	75	100
	23PIT4CC14P1	Core - XIV (a)	Open Source Technology Lab - Practical	3	3	10	40	50
	23PIT4CC14P2	Core - XIV (b)	Web Framework Lab - Practical	3	2	10	40	50
	23PIT4PW	Project Work	Project work	18	13	-	300	300
	23PIT4EC2	Extra Credit Course - II*	Online Course	-	*	-	-	-
	23PCNOC	Mandatory Online Course**	Online Course	-	1	-	-	100
	* Programme Specific Online Course for Advanced Learners **** Any Online Course for Enhancing Additional Skills**		**Total**	**30**	**25**			**600**
			Grand Total		**96**			**2100**

DISCIPLINE SPECIFIC ELECTIVE

Semester	Course Code	Course Title
I	23PIT1DE1A	Artificial Intelligence and Machine Learning
	23PIT1DE1B	Data Communication Networks
II	23PIT2DE2A	Semantic Web
	23PIT2DE2B	Cryptography and Network Security
III	23PIT3DE3A	Blockchain Technology
	23PIT3DE3B	Big Data Analytics

M.A. ECONOMICS

Sem	Course Code	Course Category	Course Title	Ins. Hrs/Week	Credit	Marks CIA	Marks ESE	Total
I	23PEC1CC1	Core - I	Advanced Micro Economic Analysis - I	6	5	25	75	100
	23PEC1CC2	Core - II	Advanced Macro Economics	6	5	25	75	100
	23PEC1CC3	Core - III	Environmental Economics	6	5	25	75	100
	23PEC1CC4	Core - IV	Entrepreneurial Development	6	5	25	75	100
	23PEC1DE1A/B	Discipline Specific Elective - I		6	4	25	75	100
			Total	30	24			500
II	23PEC2CC5	Core - V	Advanced Micro Economic Analysis - II	6	5	25	75	100
	23PEC2CC6	Core - VI	Monetary Economics	6	5	25	75	100
	23PEC2CC7	Core - VII	International Economics	6	5	25	75	100
	23PEC2CC8	Core - VIII	Evolution of Economic Thought	6	5	25	75	100
	23PEC2DE2A/B	Discipline Specific Elective - II		6	4	25	75	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
	@Only grades will be given		**Total**	30	24			500
III	23PEC3CC9	Core - IX	Research Methodology	6	5	25	75	100
	23PEC3CC10	Core - X	Managerial Economics	6	5	25	75	100
	23PEC3CC11	Core - XI	Economics of Growth And Development	6	5	25	75	100
	23PEC3CC12	Core - XII (a)	Computer Applications in Economics - Theory	3	2	10	40	50
	23PEC3CC12P	Core - XII (b)	Computer Applications in Economics - Practical	3	2	10	40	50
	23PEC3DE3A/B	Discipline Specific Elective - III		6	4	25	75	100
	23PEC3EC1	Extra Credit Course - I*	Online Course	-	*	-	-	-
			Total	30	23			500
IV	23PEC4CC13	Core - XIII	Indian Economic Development	6	6	25	75	100
	23PEC4CC14	Core - XIV	Public Finance	6	5	25	75	100
	23PEC4CC15	Core - XV	Comparative Economic Systems	6	5	25	75	100
	23PEC4DE4A/B	Discipline Specific Elective - IV		6	4	25	75	100
	23PEC4PW	Project Work	Project Work	6	4	-	100	100
	23PCNOC	Mandatory Online Course**	Online Course	-	1	-	100	100
	23PEC4EC2	Extra Credit Course - II*	Online Course	-	*	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills		**Total**	30	25			600
			Grand Total		96			2100

DISCIPLINE SPECIFIC ELECTIVE

Semester	Course Code	Course Title
I	23PEC1DE1A	Mathematical Applications in Economic Analysis
	23PEC1DE1B	Financial Economics
II	23PEC2DE2A	Statistical Methods for Economic Analysis
	23PEC2DE2B	Agricultural Economics
III	23PEC3DE3A	Econometrics
	23PEC3DE3B	Personnel Management
IV	23PEC4DE4A	Industrial Economics
	23PEC4DE4B	Islamic Banking

M.A. ENGLISH

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks CIA	Total
I	23PEN1CC1	Core - I	British Literature - I	6	5	25	75	100
	23PEN1CC2	Core - II	British Literature - II	6	5	25	75	100
	23PEN1CC3	Core - III	Shakespeare	6	5	25	75	100
	23PEN1CC4	Core - IV	American Literature	6	5	25	75	100
	23PEN1DE1A/B	Discipline Specific Elective - I		6	4	25	75	100
			Total	**30**	**24**			**500**
II	23PEN2CC5	Core - V	British Literature - III	6	5	25	75	100
	23PEN2CC6	Core - VI	British Literature - IV	6	5	25	75	100
	23PEN2CC7	Core - VII	History of English Language and Structure of Modern English	6	5	25	75	100
	23PEN2CC8	Core - VIII	Indian Writing in English	6	5	25	75	100
	23PEN2DE2A/B	Discipline Specific Elective - II		6	4	25	75	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
	@ Only grades will be given		**Total**	**30**	**24**			**500**
III	23PEN3CC9	Core - IX	Theory of Comparative Literature and Classics in Translation	6	5	25	75	100
	23PEN3CC10	Core - X	Post-Colonial Literature	6	5	25	75	100
	23PEN3CC11	Core - XI	Voices of Women in Literature	6	5	25	75	100
	23PEN3CC12	Core - XII	English Language Teaching	6	5	25	75	100
	23PEN3DE3A/B	Discipline Specific Elective - III		6	4	25	75	100
	23PEN3EC1	Extra Credit Course - I*	Online Course	-	*	-	-	-
			Total	**30**	**24**			**500**
IV	23PEN4CC13	Core - XIII	Research Techniques and Methodology	6	5	25	75	100
	23PEN4CC14	Core - XIV	Contemporary Literary Criticism	6	5	25	75	100
	23PEN4CC15	Core - XV	Post Modern Literature	6	5	25	75	100
	23PEN4DE4A/B	Discipline Specific Elective - IV		6	4	25	75	100
	23PEN4PW	Project Work	Project Work	6	4	-	100	100
	23PCNOC	Mandatory Online Course**	Online Course	-	1	-	100	100
	23PEN4EC2	Extra Credit Course - II*	Online Course	-	*	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills		**Total**	**30**	**24**			**600**
			Grand Total		**96**			**2100**

DISCIPLINE SPECIFIC ELECTIVE

Semester	Course Code	Course Title
I	23PEN1DE1A	Mass Media Studies
	23PEN1DE1B	Canadian Literature
II	23PEN2DE2A	Advanced Communication Skills
	23PEN2DE2B	Creative Writing
III	23PEN3DE3A	English Literature for Career Examinations
	23PEN3DE3B	Regional Literature in English
IV	23PEN4DE4A	South Asian Fiction
	23PEN4DE4B	Science Fiction

M.Sc. FASHION TECHNOLOGY AND COSTUME DESIGNING

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ week	Credit	Marks CIA	Marks ESE	Total
I	23PFT1CC1	Core - I	Advanced Textile Science	6	5	25	75	100
	23PFT1CC2	Core - II	Quality Standards and Specification	6	5	25	75	100
	23PFT1CC3P	Core - III	Fashion Illustration - Practical	6	5	20	80	100
	23PFT1CC4P	Core - IV	Fashion Draping - Practical	6	5	20	80	100
	23PFT1DE1A/B	Discipline Specific Elective - I		6	4	25	75	100
			Total	**30**	**24**			**500**
II	23PFT2CC5	Core - V	Research Methodology and Statistics	6	5	25	75	100
	23PFT2CC6	Core - VI	Advanced Technical Textiles	6	5	25	75	100
	23PFT2CC7P	Core - VII	Computer Aided Design - Practical I	6	5	20	80	100
	23PFT2CC8P	Core - VIII	Design with Prints - Practical	6	5	20	80	100
	23PFT2DE2A/B	Discipline Specific Elective - II		6	4	25	75	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
	@Only grades will be given		**Total**	**30**	**24**			**500**
III	23PFT3CC9	Core - IX	Textile Heritage of World	6	5	25	75	100
	23PFT3CC10P	Core - X	Advanced Pattern Making and Construction - Practical	6	4	20	80	100
	23PFT3CC11P	Core - XI	Computer Aided Design - Practical II	6	4	20	80	100
	23PFT3CC12P	Core - XII	Home Textile - Practical	6	5	20	80	100
	23PFT3DE3A/B	Discipline Specific Elective - III		6	4	25	75	100
	23PFT3EC1	Extra Credit Course - I*	Online Course	-	*	-	-	-
			Total	**30**	**22**			**500**
IV	23PFT4CC13	Core - XIII	Export Documentation	6	6	25	75	100
	23PFT4CC14	Core - XIV	Boutique Management	6	6	25	75	100
	23PFT4CC15P	Core - XV	Fashion Portfolio - Practical	6	5	20	80	100
	23PFT4PW	Project Work	Project Work	12	8	-	200	200
	23PCNOC	Mandatory Online Course**	Online Course	-	1	-	100	100
	23PFT4EC2	Extra Credit Course - II*	Online Course	-	*	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills		**Total**	**30**	**26**			**600**
			Grand Total		**96**			**2100**

DISCIPLINE SPECIFIC ELECTIVE

Semester	Course Code	Course Title
I	23PFT1DE1A	Fashion Marketing and Retailing
	23PFT1DE1B	Computer Aided Design (CAD)
II	23PFT2DE2A	Digital Marketing
	23PFT2DE2B	Entrepreneurship Development
III	23PFT3DE3A	Home Science
	23PFT3DE3B	Home Textile

M.A. HISTORY

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23PHS1CC1	Core - I	Ancient Indian History and Culture	6	5	25	75	100
	23PHS1CC2	Core - II	Tamil Society and Culture - I	6	5	25	75	100
	23PHS1CC3	Core - III	Arab Society and Culture - I	6	5	25	75	100
	23PHS1CC4	Core - IV	Modern Europe	6	5	25	75	100
	23PHS1DE1A/B	Discipline Specific Elective - I		6	4	25	75	100
			Total	**30**	**24**			**500**
II	23PHS2CC5	Core - V	Medieval Indian History and Culture	6	5	25	75	100
	23PHS2CC6	Core - VI	Tamil Society and Culture - II	6	5	25	75	100
	23PHS2CC7	Core - VII	Arab Society and Culture - II	6	5	25	75	100
	23PHS2CC8	Core - VIII	History of Tiruchirappalli through the Ages	6	5	25	75	100
	23PHS2DE2A/B	Discipline Specific Elective - II		6	4	25	75	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
	@ Only grades will be given		**Total**	**30**	**24**			**500**
III	23PHS3CC9	Core - IX	Modern Indian History and Culture	6	5	25	75	100
	23PHS3CC10	Core - X	Historiography	6	5	25	75	100
	23PHS3CC11	Core - XI	International Relations	6	5	25	75	100
	23PHS3CC12	Core - XII	Indian Administration	6	5	25	75	100
	23PHS3DE3A/B	Discipline Specific Elective - III		6	4	25	75	100
	23PHS3EC1	Extra Credit Course - I*	Online Course	-	*	-	-	-
			Total	**30**	**24**			**500**
IV	23PHS4CC13	Core - XIII	India after Independence	6	5	25	75	100
	23PHS4CC14	Core - XIV	Research Methodology in History	6	5	25	75	100
	23PHS4CC15	Core - XV	World Civilizations	6	5	25	75	100
	23PHS4DE4A/B	Discipline Specific Elective - IV		6	4	25	75	100
	23PHS4PW	Project Work	Project Work	6	4	-	100	100
	23PCNOC	Mandatory Online Course**	Online Course	-	1	-	100	100
	23PHS4EC2	Extra Credit Course - II *	Online Course	-	*	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills		**Total**	**30**	**24**			**600**
			Grand Total		**96**			**2100**

DISCIPLINE SPECIFIC ELECTIVE

Semester	Course Code	Course Title
I	23PHS1DE1A	Archaeology: Principles and Methods
	23PHS1DE1B	Intellectual History of India
II	23PHS2DE2A	Indian Constitution
	23PHS2DE2B	History of Science and Technology
III	23PHS3DE3A	Tourism and Travel Management
	23PHS3DE3B	Modern Political Thoughts
IV	23PHS4DE4A	Introduction to Women Studies
	23PHS4DE4B	Panchayat Raj

M.B.A

Sem	Course Code	Course Category	Course Title	Hrs/ Week	Credit	CIA	ESE	Total Marks
I	23MBA1CC1	Core - I	Management Concepts and Practices	4	4	25	75	100
	23MBA1CC2	Core - II	Organisational Behaviour	4	4	25	75	100
	23MBA1CC3	Core - III	Managerial Economics	4	4	25	75	100
	23MBA1CC4	Core - IV	Quantitative Techniques for Managers	5	4	25	75	100
	23MBA1CC5	Core - V	Information Systems for Business	4	4	25	75	100
	23MBA1CC6	Core - VI	Accounting for Decision Making	5	4	25	75	100
	23MBA1CC7	Core - VII	Legal Aspects of Business	4	4	25	75	100
	23MBA1CV1	Comprehensive Viva Voce	Comprehensive Viva Voce - I$	-	2	-	100	100
	23MBA1EL	Experiential Learning	Outbound Training (OBT) (3 days)@	-	-	-	-	-
			Total	30+6µ	30			800
II	23MBA2CC8	Core - VIII	Operations Research	5	4	25	75	100
	23MBA2CC9	Core - IX	Human Resource Management	4	4	25	75	100
	23MBA2CC10	Core - X	Financial Management	5	4	25	75	100
	23MBA2CC11	Core - XI	Marketing Management	4	4	25	75	100
	23MBA2CC12	Core - XII	Operations Management	4	4	25	75	100
	23MBA2CC13	Core - XIII	Business Research Methods	4	4	25	75	100
	23MBA2CC14P	Core - XIV	Spreadsheet for Managers***- Practical	4	4	-	100	100
	23MBA2CV2	Comprehensive Viva Voce	Comprehensive Viva Voce - II$	-	2	-	100	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
			Total	30+6µ	30			800
III	23MBA3CC15	Core - XV	Business Analytics	5	4	25	75	100
	23MBA3CC16	Core - XVI	International Business Management	5	4	25	75	100
	23MBA3CC17P	Core - XVII	Data Analytics Lab*** - Practical	4	2	-	100	100
	23MBA3DE##	Discipline Specific Elective - I	Elective - 1	4	4	25	75	100
	23MBA3DE##	Discipline Specific Elective - II	Elective - 2	4	4	25	75	100
	23MBA3DE##	Discipline Specific Elective - III	Elective - 3	4	4	25	75	100
	23MBA3DE##	Discipline Specific Elective - IV	Elective - 4	4	4	25	75	100
	23MBA3CV3	Comprehensive Viva Voce	Comprehensive Viva Voce-III$	-	2	-	100	100
	23MBA3EL	Experiential Learning	Internship (4 Weeks)	-	2	-	100	100
	23MBA3EA	Extension Activity	Societal Immersion Programme (SIP) – One week@	-	-	-	-	-
	23MBA3EC1	Extra Credit Course - I#	Online Course	-	*	-	-	-
			Total	30+6µ	30			900
IV	23MBA4CC18	Core XVIII	Strategic Management	4	3	25	75	100
	23MBA4CC19	Core XIX	Entrepreneurship and Startup	4	3	25	75	100
	23MBA4DE##	Discipline Specific Elective - V	Elective - 5	4	4	25	75	100
	23MBA4DE##	Discipline Specific Elective - VI	Elective - 6	4	4	25	75	100
	23MBA4DE##	Discipline Specific Elective - VII	Elective - 7	4	4	25	75	100
	23MBA4DE##	Discipline Specific Elective - VIII	Elective - 8	4	4	25	75	100
	23MBA4CV4	Comprehensive Viva Voce	Comprehensive Viva Voce-IV$	-	2	-	100	100
	23MBA4PW	Project Work	Project Work (8 Weeks)	6	5	50	150	200
	23MBACNOC	Mandatory Online Course**	Online Course	-	1	-	100	100
	23MBA4EC2	Extra Credit Course - II #	Online Course	-	*	-	-	-
			Total	30+6µ	30			1000
			Grand Total		120			3500

@ Only Grades will be Given	* Not Considered for Grand Total and CGPA
# Programme Specific Online Course	** Any Online Course for Enhancing Additional Skills
## Specialization Electives	*** Fully Internal
µActivity Based Learning (ABL)	$ Internal Viva-voce Examination covering all the courses of Semester

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

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	Marks		Total Marks
				CIA	ESE	
Marketing (A)						
23MBA3DEA1	Consumer Behavior	4	4	25	75	**100**
23MBA3DEA2	Integrated Marketing Communication	4	4	25	75	**100**
23MBA3DEA3	Sales Management	4	4	25	75	**100**
23MBA3DEA4	Product and Brand Management	4	4	25	75	**100**
23MBA3DEA5	Digital Marketing	4	4	25	75	**100**
Finance and Accounting (B)						
23MBA3DEB1	Security Analysis and Portfolio Management	4	4	25	75	**100**
23MBA3DEB2	Behavioral Finance	4	4	25	75	**100**
23MBA3DEB3	Financial Econometrics	4	4	25	75	**100**
23MBA3DEB4	Financial Derivatives	4	4	25	75	**100**
23MBA3DEB5	Strategic Financial Management	4	4	25	75	**100**
OB and Human Resource (C)						
23MBA3DEC1	Change Management	4	4	25	75	**100**
23MBA3DEC2	Learning and Development	4	4	25	75	**100**
23MBA3DEC3	Strategic Human Resource Management	4	4	25	75	**100**
23MBA3DEC4	Talent Management	4	4	25	75	**100**
23MBA3DEC5	Industrial Relation and Labor Legislations	4	4	25	75	**100**
Systems and Operations (D)						
23MBA3DED1	Data Resource Management	4	4	25	75	**100**
23MBA3DED2	Decision Support System	4	4	25	75	**100**
23MBA3DED3	Service Operations Management	4	4	25	75	**100**
23MBA3DED4	Product Design and Development	4	4	25	75	**100**
23MBA3DED5	Total Quality Management	4	4	25	75	**100**
Logistics and Supply Chain Management (E)						
23MBA3DEE1	Strategic Logistics Management	4	4	25	75	**100**
23MBA3DEE2	Containerization & Multi-Model Transport	4	4	25	75	**100**
23MBA3DEE3	Warehousing & Inventory Management	4	4	25	75	**100**
23MBA3DEE4	Essentials of Supply Chain Management	4	4	25	75	**100**
23MBA3DEE5	Supply Chain Analytics	4	4	25	75	**100**
Startup and Entrepreneurship (F)						
23MBA3DEF1	Family Business Management	4	4	25	75	**100**
23MBA3DEF2	Project management	4	4	25	75	**100**
23MBA3DEF3	Entrepreneurial Finance	4	4	25	75	**100**
23MBA3DEF4	Information Technology for Entrepreneurs	4	4	25	75	**100**
23MBA3DEF5	Business Plan and Modeling	4	4	25	75	**100**

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

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	Marks CIA	Marks ESE	Total Marks
Marketing (A)						
23MBA4DEA1	Retail Management	4	4	25	75	100
23MBA4DEA2	Rural and Agricultural Marketing	4	4	25	75	100
23MBA4DEA3	Customer Relationship Management	4	4	25	75	100
23MBA4DEA4	Service Marketing	4	4	25	75	100
23MBA4DEA5	Marketing Analytics	4	4	25	75	100
Finance and Accounting (B)						
23MBA4DEB1	International Trade and Finance	4	4	25	75	100
23MBA4DEB2	Financial Modelling using Spreadsheet	4	4	25	75	100
23MBA4DEB3	Enterprise Risk Management	4	4	25	75	100
23MBA4DEB4	Banking and Financial Services	4	4	25	75	100
23MBA4DEB5	Strategic Cost Management	4	4	25	75	100
OB and Human Resource (C)						
23MBA4DEC1	Performance Management	4	4	25	75	100
23MBA4DEC2	Managerial Behavior and Effectiveness	4	4	25	75	100
23MBA4DEC3	Behavior and Impression Management in Organization	4	4	25	75	100
23MBA4DEC4	HR Analytics	4	4	25	75	100
23MBA4DEC5	International Human Resource Management	4	4	25	75	100
Systems and Operations (D)						
23MBA4DED1	Enterprise Resoure Planning	4	4	25	75	100
23MBA4DED2	E-Business	4	4	25	75	100
23MBA4DED3	Knowledge Management System	4	4	25	75	100
23MBA4DED4	Plant Layout and Materials Management	4	4	25	75	100
23MBA4DED5	Lean Six Sigma	4	4	25	75	100
Logistics and Supply Chain Management (E)						
23MBA4DEE1	EXIM and Documentation	4	4	25	75	100
23MBA4DEE2	Transport and Distribution	4	4	25	75	100
23MBA4DEE3	Retail Logistics	4	4	25	75	100
23MBA4DEE4	Digital Supply Chain	4	4	25	75	100
23MBA4DEE5	Supply Chain Planning	4	4	25	75	100
Startup and Entrepreneurship (F)						
23MBA4DEF1	Intellectual Property Rights	4	4	25	75	100
23MBA4DEF2	Company Law	4	4	25	75	100
23MBA4DEF3	Design Thinking and Incubation	4	4	25	75	100
23MBA4DEF4	Social Entrepreneurship	4	4	25	75	100
23MBA4DEF5	Business Ethics and Corporate Governance	4	4	25	75	100

M.Sc. MATHEMATICS

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23PMA1CC1	Core - I	Algebra - I	6	5	25	75	100
	23PMA1CC2	Core - II	Real Analysis	6	5	25	75	100
	23PMA1CC3	Core - III	Classical Dynamics	6	5	25	75	100
	23PMA1CC4	Core - IV	Ordinary Differential Equations	6	5	25	75	100
	23PMA1DE1A/B	Discipline Specific Elective - I		6	4	25	75	100
			Total	**30**	**24**			**500**
II	23PMA2CC5	Core - V	Algebra - II	6	5	25	75	100
	23PMA2CC6	Core - VI	Complex Analysis	6	5	25	75	100
	23PMA2CC7	Core - VII	Topology	6	5	25	75	100
	23PMA2CC8	Core - VIII	Numerical Analysis with Octave	6	5	25	75	100
	23PMA2DE2A/B	Discipline Specific Elective - II		6	4	25	75	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
	@ Only grades will be given		**Total**	**30**	**24**			**500**
III	23PMA3CC9	Core - IX	Functional Analysis	6	5	25	75	100
	23PMA3CC10	Core - X	Partial Differential Equations	6	5	25	75	100
	23PMA3CC11	Core - XI	Mathematical Statistics with R	6	5	25	75	100
	23PMA3CC12	Core - XII	Advanced Graph Theory	6	5	25	75	100
	23PMA3DE3AP/B	Discipline Specific Elective - III		6	4	20	80	100
	23PMA3EC1	Extra Credit Course - I*	Online Course	-	*	-	-	-
			Total	**30**	**24**			**500**
IV	23PMA4CC13	Core - XIII	Measure Theory	6	5	25	75	100
	23PMA4CC14	Core - XIV	Fluid Dynamics with MATLAB	6	5	25	75	100
	23PMA4CC15	Core - XV	Calculus of Variations and Integral equations	6	5	25	75	100
	23PMA4DE4A/B	Discipline Specific Elective - IV		6	4	25	75	100
	23PMA4PW	Project Work	Project Work	6	4	-	100	100
	23PCNOC	Mandatory Online Course**	Online Course	-	1	-	100	100
	23PMA4EC2	Extra Credit Course - II*	Online Course	-	*	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills		**Total**	**30**	**24**			**600**
			Grand Total		**96**			**2100**

DISCIPLINE SPECIFIC ELECTIVE

Semester	Course Code	Course Title
I	23PMA1DE1A	Financial Mathematics
	23PMA1DE1B	Combinatorics
II	23PMA2DE2A	Theory of fuzzy sets & its Applications
	23PMA2DE2B	Mathematical Modelling
III	23PMA3DE3AP	Python for Data Science - Practical
	23PMA3DE3B	Data Structures and Algorithms
	23PMA3DE3B	Computer Algorithms
IV	23PMA4DE4A	Advanced Operations Research
	23PMA4DE4B	Stochastic Processes

M.Sc. MICROBIOLOGY

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23PMB1CC1	Core - I	General Microbiology	6	6	25	75	100
	23PMB1CC2	Core - II	Microbial Metabolism	6	5	25	75	100
	23PMB1CC3	Core - III	Virology	6	5	25	75	100
	23PMB1CC4P	Core - IV	General Microbiology, Microbial Metabolism and Virology - Practical	6	4	20	80	100
	23PMB1DE1A/B	Discipline Specific Elective - I		6	4	25	75	100
			Total	**30**	**24**			**500**
II	23PMB2CC5	Core - V	Molecular Biology and Genetics	6	5	25	75	100
	23PMB2CC6	Core - VI	Genetic Engineering	6	5	25	75	100
	23PMB2CC7	Core - VII	Environmental and Agricultural Microbiology	6	5	25	75	100
	23PMB2CC8P	Core - VIII	Molecular biology and Genetics, Genetic Engineering , Environmental and Agricultural Microbiology - Practical	6	4	20	80	100
	23PMB2DE2A/B	Discipline Specific Elective - II		6	4	25	75	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
	@ Only grades will be given		**Total**	**30**	**23**			**500**
III	23PMB3CC9	Core - IX	Clinical Microbiology	6	5	25	75	100
	23PMB3CC10	Core - X	Principles of Immunology	6	5	25	75	100
	23PMB3CC11	Core - XI	Enzymology	6	5	25	75	100
	23PMB3CC12P	Core - XII	Clinical Microbiology, Principles of Immunology and Enzymology - Practical	6	4	20	80	100
	23PMB3DE3A/B	Discipline Specific Elective - III		6	4	25	75	100
	23PMB3EC1	Extra Credit Course - I*	Online Course	-	*	-	-	-
			Total	**30**	**23**			**500**
IV	23PMB4CC13	Core - XIII	Food Microbiology and Food Safety	6	6	25	75	100
	23PMB4CC14	Core - XIV	Industrial Microbiology	6	6	25	75	100
	23PMB4CC15	Core - XV	Biofertilizer and Biopesticides	6	5	25	75	100
	23PMB4PW	Project Work	Project Work	12	8	-	200	200
	23PCNOC	Mandatory Online Course**	Online Course	-	1	-	100	100
	23PMB4EC2	Extra Credit Course - II*	Online Course	-	*	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills		**Total**	**30**	**26**			**600**
			Grand Total		**96**			**2100**

DISCIPLINE SPECIFIC ELECTIVE

Semester	Course Code	Course Title
I	23PMB1DE1A	Cell biology and Biomolecules
	23PMB1DE1B	Biostatistics and Bioinstrumentation
II	23PMB2DE2A	Microbial Ecology
	23PMB2DE2B	Bioremediation and Biodegradation
III	23PMB3DE3A	Bioinformatics
	23PMB3DE3B	Biosafety and IPR

M.Sc. NUTRITION AND DIETETICS

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23PND1CC1	Core - I	Advanced Food Science	6	5	25	75	100
	23PND1CC2	Core - II	Therapeutic Nutrition - I	6	5	25	75	100
	23PND1CC3	Core - III	Macro Nutrients	6	5	25	75	100
	23PND1CC4P	Core - IV	Food Analysis - Practical	6	4	20	80	100
	23PND1DE1A/B	Discipline Specific Elective - I		6	4	25	75	100
			Total	30	23			500
II	23PND2CC5	Core - V	Nutrition in Life Span	6	5	25	75	100
	23PND2CC6	Core - VI	Micro Nutrients	6	5	25	75	100
	23PND2CC7	Core - VII	Therapeutic Nutrition - II	6	5	25	75	100
	23PND2CC8P	Core - VIII	Therapeutic Nutrition - Practical	6	2	10	40	50
	23PND2CC8I	Core - VIII	Internship	4(weeks)	2	10	40	50
	23PND2DE2A/B	Discipline Specific Elective - II		6	4	25	75	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
	@ Only grades will be given		**Total**	30	23			500
III	23PND3CC9	Core - IX	Nutrition for Sports and Fitness	6	6	25	75	100
	23PND3CC10	Core - X	Food Microbiology and Sanitation	6	6	25	75	100
	23PND3CC11	Core - XI	Research Methodology and Statistics	6	6	25	75	100
	23PND3CC12P	Core - XII	Food Microbiology and Sanitation and Clinical Biochemistry - Practical	6	4	20	80	100
	23PND3DE3A/B	Discipline Specific Elective - III		6	4	25	75	100
	23PND3EC1	Extra Credit Course - I*	Online Course	-	*	-	-	-
			Total	30	26			500
IV	23PND4CC13	Core - XIII	Institutional Food Management	6	6	25	75	100
	23PND4CC14	Core - XIV	Community Nutrition and Public Health	6	5	25	75	100
	23PND4CC15P	Core - XV	Computer Applications - Practical	6	4	20	80	100
	23PND4PW	Project Work	Project Work	12	8	-	200	200
	23PCNOC	Mandatory Online Course**	Online Course	-	1	-	100	100
	23PND4EC2	Extra Credit Course - II*	Online Course	-	*	-	-	-
	* Programme Specific Online Course for Advanced Learners **** Any Online Course for Enhancing Additional Skills**		**Total**	30	24			600
			Grand Total		96			2100

DISCIPLINE SPECIFIC ELECTIVE

Semester	Course Code	Course Title
I	23PND1DE1A	Applied Physiology
	23PND1DE1B	Paediatric and Geriatric Nutrition
II	23PND2DE2A	Clinical Biochemistry
	23PND2DE2B	Nutrition During Emergency
III	23PND3DE3A	Nutraceuticals and Nutrigenomics
	23PND3DE3B	Food Packaging

M.Sc. PHYSICS

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23PPH1CC1	Core - I	Classical Mechanics	6	5	25	75	100
	23PPH1CC2	Core - II	Mathematical Physics	6	5	25	75	100
	23PPH1CC3	Core - III	Electronic Devices and Circuits	6	5	25	75	100
	23PPH1CC4P1	Core - IV	Advanced General Physics - I - Practical	3	2	10	40	50
	23PPH1CC4P2		Advanced General Physics - II - Practical	3	2	10	40	50
	23PPH1DE1A/B	Discipline Specific Elective - I		6	4	25	75	100
			Total	**30**	**23**			**500**
II	23PPH2CC5	Core - V	Advanced Mathematical Physics	6	5	25	75	100
	23PPH2CC6	Core - VI	Molecular Spectroscopy	6	5	25	75	100
	23PPH2CC7	Core - VII	Electromagnetic Theory	6	5	25	75	100
	23PPH2CC8P1	Core - VIII	Condensed Matter Physics - Practical	3	2	10	40	50
	23PPH2CC8P2		Analog Electronics - Practical	3	2	10	40	50
	23PPH2DE2A/B	Discipline Specific Elective - II		6	4	25	75	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
	@ Only grade will be given		**Total**	**30**	**23**			**500**
III	23PPH3CC9	Core - IX	Nuclear and Particle Physics	6	6	25	75	100
	23PPH3CC10	Core - X	Quantum Mechanics	6	5	25	75	100
	23PPH3CC11	Core - XI	Statistical Mechanics	6	5	25	75	100
	23PPH3CC12P1	Core - XII	Digital Electronics - Practical	3	2	10	40	50
	23PPH3CC12P2		Numerical Programming in Physics using Python - Practical	3	2	10	40	50
	23PPH3DE3A/B	Discipline Specific Elective - III		6	4	25	75	100
	23PPH3EC1	Extra Credit Course - I*	Online Course	-	*	-	-	-
			Total	**30**	**24**			**500**
IV	23PPH4CC13	Core - XIII	Condensed Matter Physics	6	6	25	75	100
	23PPH4CC14	Core - XIV	Electronic Communication	6	6	25	75	100
	23PPH4CC15P1	Core - XV	Microprocessor and Microcontroller - Practical	3	3	10	40	50
	23PPH4CC15P2		Numerical Simulations in Physics using Python - Practical	3	2	10	40	50
	23PPH4DE4A/B	Discipline Specific Elective - IV		6	4	25	75	100
	23PPH4PW	Project Work	Project Work	6	4	-	100	100
	23PCNOC	Mandatory online course**	Online Course	-	1	-	100	100
	23PPH4EC2	Extra Credit Course - II*	Online Course	-	*	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills		**Total**	**30**	**26**			**600**
			Grand Total		**96**			**2100**

DISCIPLINE SPECIFIC ELECTIVE

Semester	Course Code	Course Title
I	23PPH1DE1A	Medical Physics and Ultrasonics
	23PPH1DE1B	Advanced Topics in Physics
II	23PPH2DE2A	Computations in Physics Using Python
	23PPH2DE2B	Nanoscience and Technology
III	23PPH3DE3A	Microprocessor and Microcontroller
	23PPH3DE3B	Nonlinear Optics
IV	23PPH4DE4A	Crystal Growth and Thin Films
	23PPH4DE4B	Fibre Optics and its Applications

MSW - (MASTER OF SOCIAL WORK)

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23PSW1CC1	Core Course - I	Social Work Profession and Development	6	6	25	75	100
	23PSW1CC2	Core Course - II	Working With Individuals	6	6	25	75	100
	23PSW1CC3	Core Course - III	Working with Groups	6	6	25	75	100
	23PSW1CC4	Core Course - IV	Community Organisation and Social Action	6	6	25	75	100
	23PSW1CC5	Core Course - V	Field Work Practicum	6 (30days)	5	-	100	100
			Total	**30**	**29**	**-**	**-**	**500**
II	23PSW2CC6T	Core Course - VI	Management of Social Organisation - Theory	3	3	10	40	50
	23PSW2CC6P		Management of Social Organisation - Practical	3	1	10	40	50
	23PSW2CC7	Core Course - VII	Research Methods in Social Work	6	5	25	75	100
	23PSW2CC8	Core Course - VIII	Human Growth and Personality Development	6	5	25	75	100
	23PSW2CC9	Core Course - IX	Counselling in Social Work: Theory and Practice	6	5	25	75	100
	23PSW2CC10	Core Course - X	Concurrent Field Work Practicum	6 (30days)	4	-	100	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
	@ Only grades will be given		**Total**	**30**	**23**	**-**	**-**	**500**
III	23PSW3CC11	Core Course - XI	Summer Internship*	-	4	-	100	100
	23PSW3CC12	Core Course - XII	Social Entrepreneurship	4	4	25	75	100
	23PSW3CC13T	Core Course - XIII	Green Social Work - Theory	3	3	10	40	50
	23PSW3CC13P		Green Social Work - Practical	3	2	10	40	50
	23PSW3DE##	Discipline Specific Elective - I#		5	4	25	75	100
	23PSW3DE##	Discipline Specific Elective - II#		5	4	25	75	100
	23PSW3DE##	Discipline Specific Elective - III#		5	4	25	75	100
	23PSW3CC14	Core Course - XIV	Field Specialized Practicum	5 (30days)	4	-	100	100
	23PSW3EC1	Extra Credit Course - I*	Online Course	-	*	-	-	-
			Total	**30**	**29**	**-**	**-**	**700**
IV	23PSW4DE##	Discipline Specific Elective - IV#		6	5	25	75	100
	23PSW4DE##	Discipline Specific Elective - V#		6	5	25	75	100
	23PSW4CC15	Core Course - XV	Field Specialized Practicum	6 (30 days)	4	-	100	100
	23PSW4CC16	Core Course - XVI	Block Internship	6 (30 days)	4	-	100	100
	23PSW4PW	Project Work	Research Project	6	4	-	100	100
	23PCNOC	Mandatory Online Course**	Online Course	-	*	-	100	100
	23PSW4EC2	Extra Credit Course - II*	Online Course	-	-	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills		**Total**	**30**	**23**	**-**	**-**	**600**
			Grand Total		**104**			**2300**

Note: * The Summer Internship will be carried out at the end of II Semester (during Summer Vacation). However, the Viva-Voce (Internal & External) will be conducted in the beginning of the III Semester.

DISCIPLINE SPECIFIC ELECTIVE DURING III SEMESTER
LIST OF ELECTIVES (SPECIALIZATION - I, II & III)

Semester	Course Code	Course Title	Hrs/ Week	Credit	CIA Marks	ESE Marks	Total Marks
		SPECIALIZATION – I **CLINICAL SOCIAL WORK**					
III	23PSW3DEA1	Community Health	5	4	25	75	100
	23PSW3DEA2	Health and Hygiene	5	4	25	75	100
	23PSW3DEA3	Mental Health	5	4	25	75	100
	23PSW3DEA4	Disability and Social Work	5	4	25	75	100
	23PSW3DEA5	Hospital Administration	5	4	25	75	100
	23PSW3DEA6	Children and Adolescent Social Work	5	4	25	75	100
		SPECIALIZATION – II **COMMUNITY DEVELOPMENT**					
III	23PSW3DEB1	Rural Community Development	5	4	25	75	100
	23PSW3DEB2	Sustainable and Holistic Development	5	4	25	75	100
	23PSW3DEB3	Urban Community Development	5	4	25	75	100
	23PSW3DEB4	Gender Social Work	5	4	25	75	100
	23PSW3DEB5	Tribal Community Development	5	4	25	75	100
	23PSW3DEB6	Fundamentals of Management	5	4	25	75	100
		SPECIALIZATION – III **HUMAN RESOURCE MANAGEMENT**					
III	23PSW3DEC1	Human Resource Management	5	4	25	75	100
	23PSW3DEC2	HR Analytics and Information Systems	5	4	25	75	100
	23PSW3DEC3	Organizational Relations and Labour Legislations	5	4	25	75	100
	23PSW3DEC4	Industrial Social Work	5	4	25	75	100
	23PSW3DEC5	Psychology for HR Managers	5	4	25	75	100
	23PSW3DEC6	Training and Development	5	4	25	75	100

DISCIPLINE SPECIFIC ELECTIVE DURING IV SEMESTERS
LIST OF ELECTIVES (SPECIALIZATION - I, II & III)

Semester	Course Code	Course Title	Hrs/ Week	Credit	CIA Marks	ESE Marks	Total Marks
		SPECIALIZATION – I **CLINICAL SOCIAL WORK**					
IV	23PSW4DEA1	Medical Social Work	6	5	25	75	100
	23PSW4DEA2	Family and Geriatric Social Work	6	5	25	75	100
	23PSW4DEA3	Psychiatric Social Work	6	5	25	75	100
	23PSW4DEA4	Correctional Social Work	6	5	25	75	100
		SPECIALIZATION – II **COMMUNITY DEVELOPMENT**					
IV	23PSW4DEB1	Project Management	6	5	25	75	100
	23PSW4DEB2	Women and Development	6	5	25	75	100
	23PSW4DEB3	Social Development	6	5	25	75	100
	23PSW4DEB4	Local Self Governance	6	5	25	75	100
		SPECIALIZATION – III **HUMAN RESOURCE MANAGEMENT**					
IV	23PSW4DEC1	Organizational Behaviour	6	5	25	75	100
	23PSW4DEC2	Managerial Communication and Ethics	6	5	25	75	100
	23PSW4DEC3	Strategic HRM	6	5	25	75	100
	23PSW4DEC4	Emotional Intelligence and Effective Management	6	5	25	75	100

M.A. TAMIL

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23PTA1CC1	Core - I	தொல்காப்பியம் - எழுத்ததிகாரம் (இளம்பூரணம்)	6	5	25	75	100
	23PTA1CC2	Core - II	இக்கால இலக்கியம்	6	5	25	75	100
	23PTA1CC3	Core - III	நாட்டார் வழக்காற்றியல்	6	5	25	75	100
	23PTA1CC4	Core - IV	இலக்கியத் திறனாய்வியல்	6	5	25	75	100
	23PTA1DE1A/B	Discipline Specific Elective - I		6	4	25	75	100
			Total	**30**	**24**			**500**
II	23PTA2CC5	Core - V	தொல்காப்பியம் - சொல்லதிகாரம் (சேனாவரையம்)	6	5	25	75	100
	23PTA2CC6	Core - VI	இடைக்கால இலக்கியம்	6	5	25	75	100
	23PTA2CC7	Core - VII	ஒப்பிலக்கியமும் மொழிபெயர்ப்பியலும்	6	5	25	75	100
	23PTA2CC8	Core - VIII	இஸ்லாமியத் தமிழ் இலக்கியம்	6	5	25	75	100
	23PTA2DE2A/B	Discipline Specific Elective - II		6	4	25	75	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
	@ Only grades will be given		**Total**	**30**	**24**			**500**
III	23PTA3CC9	Core - IX	தொல்காப்பியம் - பொருளதிகாரம் (இளம்பூரணம்)	6	5	25	75	100
	23PTA3CC10	Core - X	காப்பிய இலக்கியம்	6	5	25	75	100
	23PTA3CC11	Core - XI	தமிழ்மொழி வரலாறு	6	5	25	75	100
	23PTA3CC12	Core - XII	ஆய்வியல் நெறிமுறைகள்	6	5	25	75	100
	23PTA3DE3A/B	Discipline Specific Elective - III		6	4	25	75	100
	23PTA3EC1	Extra Credit Course - I*	Online Course	-	*	-	100*	100*
			Total	**30**	**24**			**500**
IV	23PTA4CC13	Core - XIII	செவ்விலக்கியம்	6	5	25	75	100
	23PTA4CC14	Core - XIV	திராவிட மொழிகளின் ஒப்பிலணக்கணம்	6	5	25	75	100
	23PTA4CC15	Core - XV	தமிழ் இலக்கண வரலாறும் உரையாசிரியர்களும்	6	5	25	75	100
	23PTA4DE4A/B	Discipline Specific Elective - IV		6	4	25	75	100
	23PTA4PW	Project Work	Project Work	6	4	-	100	100
	23PCNOC	Mandatory online course**	Online Course	-	1	-	100	100
	23PTA4EC2	Extra Credit Course - II*	Online Course	-	*	-	100*	100*
	* Programme Specific Online Course for Advanced Learners **** Any Online Course for Enhancing Additional Skills**		**Total**	**30**	**24**			**600**
			Grand Total		**96**			**2100**

DISCIPLINE SPECIFIC ELECTIVE

Semester	Course Code	Course Title
I	23PTA1DE1A	இலக்கிய மானிடவியல்
	23PTA1DE1B	தமிழ் இலக்கிய ஆளுமைகள்
II	23PTA2DE2A	பழந்தமிழர் அறிவுத்துறைகள்
	23PTA2DE2B	அகராதியியலும் கலைச்சொல்லாக்கமும்
III	23PTA3DE3A	போட்டித்தேர்வுத் தமிழ்
	23PTA3DE3B	பயண மற்றும் கடித இலக்கியம்
IV	23PTA4DE4A	உரைநடை வளர்ச்சி
	23PTA4DE4B	சித்த மருத்துவம்

M.Sc. ZOOLOGY

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	CIA	ESE	Total
I	23PZO1CC1	Core - I	Functional Morphology and Comparative Anatomy of Invertebrates and Chordates	6	5	25	75	100
	23PZO1CC2	Core - II	Developmental Biology	6	5	25	75	100
	23PZO1CC3	Core - III	Applied Ecology, Evolution and Paleontology	6	5	25	75	100
	23PZO1CC4P	Core - IV	Comparative Anatomy and Functional Morphology of Invertebrates and Chordates, Developmental Biology, Applied Ecology, Evolution and Palaeontology - Practical - I	6	4	20	80	100
	23PZO1DE1A/B	Discipline Specific Elective - I		6	4	25	75	100
			Total	**30**	**23**			**500**
II	23PZO2CC5	Core - V	Molecular and Human Genetics	6	5	25	75	100
	23PZO2CC6	Core - VI	Cell & Molecular Biology and Histology	6	5	25	75	100
	23PZO2CC7	Core - VII	Comparative Animal Physiology	6	5	25	75	100
	23PZO2CC8P	Core - VIII	Molecular and Human Genetics, Cell & Molecular Biology, Histology and Comparative Animal Physiology - Practical - II	6	4	20	80	100
	23PZO2DE2A/B	Discipline Specific Elective - II		6	4	25	75	100
	23PCN2CO	Community Outreach	JAMCROP	-	@	-	-	@
	@Only grades will be given		**Total**	**30**	**23**			**500**
III	23PZO3CC9	Core - IX	Biochemistry	6	6	25	75	100
	23PZO3CC10	Core - X	Immunology	6	5	25	75	100
	23PZO3CC11	Core - XI	Biostatistics and Bioinformatics	6	5	25	75	100
	23PZO3CC12P	Core - XII	Biochemistry, Immunology, Biostatistics and Bioinformatics - Practical - III	6	4	20	80	100
	23PZO3DE3A/B	Discipline Specific Elective - III		6	4	25	75	100
	23PZO3EC1	Extra Credit Course - I*	Online Course	-	*	-	-	-
			Total	**30**	**24**			**500**
IV	23PZO4CC13	Core - XIII	General and Applied Entomology	6	6	25	75	100
	23PZO4CC14	Core - XIV	Microbiology and Vaccinology	6	6	25	75	100
	23PZO4CC15P	Core - XV	General and Applied Entomology and Microbiology & Vaccinology - Practical - IV	6	5	20	80	100
	23PZO4DE4A/B	Discipline Specific Elective - IV		6	4	25	75	100
	23PZO4PW	Project Work	Project Work	6	4	-	100	100
	23PCNOC	Mandatory online course**	Online Course	-	1	-	100	100
	23PZO4EC2	Extra Credit Course - II*	Online Course	-	*	-	-	-
	* Programme Specific Online Course for Advanced Learners ** Any Online Course for Enhancing Additional Skills		**Total**	**30**	**26**			**600**
			Grand Total		**96**			**2100**

DISCIPLINE SPECIFIC ELECTIVE

Semester	Course Code	Course Title
I	23PZO1DE1A	Biophysics, Radiation Biology and Nanotechnology
	23PZO1DE1B	Occupational Health and Safety
II	23PZO2DE2A	Biotechnology
	23PZO2DE2B	Endocrinology
III	23PZO3DE3A	Animal Behaviour and Biodiversity Conservation
	23PZO3DE3B	Aquaculture and Farm Management
IV	23PZO4DE4A	Research Methodology, Ethics & Bioinstrumentation
	23PZO4DE4B	Clinical Lab Technology

M.Phil. ARABIC

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23MPAR1CC1	Core - I	Research Methodology	4*	4	25	75	100
	23MPAR1CC2	Core - II	Literary Criticism	4*	4	25	75	100
	23MPAR1CC3	Core - III	Teaching and Learning Skills (Common Paper)	4*	4	25	75	100
	23MPAR1CC4	Core - IV (Elective)	Paper on Topic of Research (The syllabus will be prepared by the guide and examination will be conducted by the COE)	4*	4	25	75	100
			*One hour library for each course					
			Total	16	16			400
II	23MPAR2PD		Dissertation#	-	8	-	200	200
			Grand Total	16	24			600

 # Evaluation of the Dissertation Viva voce shall be made jointly by the Research Supervisor and the External Examiner.

M.Phil. BIOTECHNOLOGY

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23MPBT1CC1	Core - I	Research Methodology	4*	4	25	75	100
	23MPBT1CC2	Core - II	Advancements in Biotechnology	4*	4	25	75	100
	23MPBT1CC3	Core - III	Teaching and Learning Skills (Common Paper)	4*	4	25	75	100
	23MPBT1CC4	Core - IV (Elective)	Paper on Topic of Research (The syllabus will be prepared by the guide and examination will be conducted by the COE)	4*	4	25	75	100
			*One hour library for each course					
			Total	16	16			400
II	23MPBT2PD		Dissertation#	-	8	-	200	200
			Grand Total	16	24			600

 # Evaluation of the Dissertation Viva voce shall be made jointly by the Research Supervisor and the External Examiner.

M.Phil. BOTANY

Sem	Course Code	Course	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23MPBO1CC1	Core - I	Research Methodology	4*	4	25	75	100
	23MPBO1CC2	Core - II	Recent Advances in Plant Science	4*	4	25	75	100
	23MPBO1CC3	Core - III	Teaching and Learning Skills (Common Paper)	4*	4	25	75	100
	23MPBO1CC4	Core - IV (Elective)	Paper on Topic of Research (The syllabus will be prepared by the guide and examination will be conducted by the COE)	4*	4	25	75	100
			One hour library for each course					
			Total	16	16			400
II	23MPBO2PD		Dissertation#	-	8	-	200	200
			Grand Total	16	24			600

 # Evaluation of the Dissertation Viva voce shall be made jointly by the Research Supervisor and the External Examiner.

M.Phil. CHEMISTRY

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23MPCH1CC1	Core - I	Research Methodology	4*	4	25	75	100
	23MPCH1CC2	Core - II	Advanced Physical Methods and Molecular Modelling in Chemistry	4*	4	25	75	100
	23MPCH1CC3	Core - III	Teaching and Learning Skills (Common Paper)	4*	4	25	75	100
	23MPCH1CC4	Core - IV (Elective)	Paper on Topic of Research (The syllabus will be prepared by the guide and examination will be conducted by the COE)	4*	4	25	75	100
			*One hour library for each course					
			Total		16			400
II	23MPCH2PD		Dissertation**	-	8	-	200	200
			Grand Total		24			600

"Evaluation of the Dissertation Viva voce shall be made jointly by the Research Supervisor and the External Examiner

M.Phil. COMMERCE

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks		Total
						CIA	ESE	
I	23MPCO1CC1	Core - I	Research Methodology	4*	4	25	75	100
	23MPCO1CC2	Core - II	Functional Management	4*	4	25	75	100
	23MPCO1CC3	Core - III	Teaching and Learning Skills (Common Paper)	4*	4	25	75	100
	23MPCO1CC4	Core - IV (Elective)	Paper on Topic of Research (The syllabus will be prepared by the guide and examination will be conducted by the COE)	4*	4	25	75	100
			*One hour library for each course					
			Total	16	16			400
II	23MPCO2PD		Dissertation#	-	8	-	200	200
			Grand Total	16	24			600

 # Evaluation of the Dissertation Viva voce shall be made jointly by the Research Supervisor and the External Examiner.

M.Phil. COMPUTER SCIENCE

Sem	Course Code	Course Category	Course Title	Hrs/ Week	Credit	CIA Marks	ESE Marks	Total Marks
I	23MPCS1CC1	Core - I	Research Methodology	4*	4	25	75	100
	23MPCS1CC2	Core - II	Advanced Concepts in Computer Science	4*	4	25	75	100
	23MPCS1CC3	Core - III	Teaching and Learning Skills (Common Paper)	4*	4	25	75	100
	23MPCS1CC4	Core - IV (Elective)	Paper On Topic of Research (The syllabus will be prepared by the Guide and Examination will be conducted by the COE)	4*	4	25	75	100
			Total	16	16			400
II	23MPCS2PD		Dissertation ##	-	8	-	200	200
			Grand Total	16	24			600

(Evaluation of the Dissertation shall be made jointly by the Research Supervisor and the External Examiner.

M.Phil. ECONOMICS

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks		Total
						CIA	ESE	
I	23MPEC1CC1	Core - I	Research Methodology	4*	4	25	75	100
	23MPEC1CC2	Core - II	Advanced Theories in Economics	4*	4	25	75	100
	23MPEC1CC3	Core - III	Teaching and Learning Skills (Common Paper)	4*	4	25	75	100
	23MPEC1CC4	Core - IV (Elective)	Paper on Topic of Research (The syllabus will be prepared by the guide and examination will be conducted by the COE)	4*	4	25	75	100
			*One hour library for each course					
			Total	16	16			400
II	23MPEC2PD		Dissertation#	-	8	-	200	200
			Grand Total	16	24			600

 # Evaluation of the Dissertation Viva voce shall be made jointly by the Research Supervisor and the External Examiner.

M. Phil. ENGLISH

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks		Total
						CIA	ESE	
I	23MPEN1CC1	Core - I	Research Methodology and Theory of Literature	4*	4	25	75	100
	23MPEN1CC2	Core - II	Contemporary Literary Theory	4*	4	25	75	100
	23MPEN1CC3	Core - III	Language Teaching Techniques and Methods	4*	4	25	75	100
	23MPEN1CC4	Core - IV (Elective)	Paper on Topic of Research (The syllabus will be prepared by the guide and examination will be conducted by the COE)	4*	4	25	75	100
			*One hour library for each course					
			Total	16	16			400
II	23MPEN2PD		Dissertation#	-	8	-	200	200
			Grand Total	16	24			600

 # Evaluation of the Dissertation Viva voce shall be made jointly by the Research Supervisor and the External Examiner.

M.Phil. HISTORY

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23MPHS1CC1	Core - I	Research Methodology	4*	4	25	75	100
	23MPHS1CC2	Core - II	Historiography	4*	4	25	75	100
	23MPHS1CC3	Core - III	Teaching and Learning Skills (Common Paper)	4*	4	25	75	100
	23MPHS1CC4	Core - IV (Elective)	Paper on Topic of Research (The syllabus will be prepared by the guide and examination will be conducted by the COE)	4*	4	25	75	100
			*One hour library for each course					
			Total	16	16			400
II	23MPHS2PD		Dissertation#	-	8	-	200	200
			Grand Total	16	24			600

 # Evaluation of the Dissertation Viva voce shall be made jointly by the Research Supervisor and the External Examiner.

M.Phil. MANAGEMENT STUDIES

Sem	Subject code	Course Category	Subject Title	Hrs/ Week	Credit	CIA Marks	ESE Marks	Marks
I	23MPMS1CC1	Core - I	Research Methodology	4*	4	25	75	100
	23MPMS1CC2	Core - II	Advanced Strategic Management	4*	4	25	75	100
	23MPMS1CC3	Core - III	Teaching and Learning Skills (Common Paper)	4*	4	25	75	100
	23MPMS1CC4	Core - IV (Elective)	Paper on Topic of Research	4*	4	25	75	100
			*One hour Library for each course					
			Total	16	16			400
II	23MPMS2PD		Dissertation**	-	8	-	200	200
			Grand Total	16	24	-	-	600

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

M.Phil. MATHEMATICS

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23MPMA1CC1	Core - I	Research Methodology	4*	4	25	75	100
	23MPMA1CC2	Core - II	Analysis and Applied Mathematics	4*	4	25	75	100
	23MPMA1CC3	Core - III	Teaching and Learning Skills (Common Paper)	4*	4	25	75	100
	23MPMA1CC4	Core - IV (Elective)	Paper on Topic of Research (The syllabus will be prepared by the guide and examination will be conducted by the COE)	4*	4	25	75	100
			*One hour library for each course					
			Total	16	16			400
II	23MPMA2PD		Dissertation#	-	8	-	200	200
			Grand Total	16	24			600

 # Evaluation of the Dissertation Viva voce shall be made jointly by the Research Supervisor and the External Examiner.

M.Phil. MICROBIOLOGY

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23MPMB1CC1	Core - I	Research Methodology	4*	4	25	75	100
	23MPMB1CC2	Core - II	Applied Microbiology	4*	4	25	75	100
	23MPMB1CC3	Core - III	Teaching and Learning Skills (Common Paper)	4*	4	25	75	100
	23MPMB1CC4	Core - IV (Elective)	Paper on Topic of Research (The syllabus will be prepared by the guide and examination will be conducted by the COE)	4*	4	25	75	100
			*One hour library for each course					
			Total	16	16			400
II	23MPMB2PD		Dissertation#	-	8	-	200	200
			Grand Total	16	24			600

 # Evaluation of the Dissertation Viva voce shall be made jointly by the Research Supervisor and the External Examiner.

M.Phil. NUTRITION AND DIETETICS

Sem	Course Code	Course Category	Course Title	Hrs / Week	Credit	Mark CIA	Mark ESE	Total Mark
I	23MPND1CC1	Core - I	Research Methodology and Statistics	4*	4	25	75	100
	23MPND1CC2	Core - II	Current Research Trends in Nutrition and Dietetics	4*	4	25	75	100
	23MPND1CC3	Core - III	Teaching and Learning Skills (Common Paper)	4*	4	25	75	100
	23MPND1CC4	Core - IV (Elective)	Paper on topic of Research (The syllabus will be prepared by the guide and Examination will be conducted by the COE)	4*	4	25	75	100
			*One hour library for each course					
			Total	16*	16	100	300	400
II	23MPND2PD		Dissertation#	-	8	-	200	200
			Grand Total	-	24	-	-	600

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

M.Phil. PHYSICS

Sem	Course Code	Course Category	Course Title	Hrs / Week	Credit	CIA Mark	ESE Mark	Total Mark
I	23MPPH1CC1	Core - I	Research Methodology	4*	4	25	75	100
	23MPPH1CC2	Core - II	Advanced Physics	4*	4	25	75	100
	23MPPH1CC3	Core - III	Teaching and Learning Skills	4*	4	25	75	100
	23MPPH1CC4	Core - IV (Elective)	Paper on Topic of Research (The syllabus will be prepared by the guide and examination will be conducted by the COE)	4*	4	25	75	100
			*One hour library for each course					
			Total	16*	16	100	300	400
II	20MPPH2PD		Dissertation #	-	8	-	200	200
			Grand Total	-	24	-	-	600

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

M.Phil. SOCIAL WORK

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23MPSW1CC1	Core - I	Research Methodology	4*	4	25	75	100
	23MPSW1CC2	Core - II	Contemporary Issues and Trends in Social Work Profession	4*	4	25	75	100
	23MPSW1CC3	Core - III	Teaching and Learning Skills	4*	4	25	75	100
	23MPSW1CC4	Core - IV (Elective)	Paper on Topic of Research (The syllabus will be prepared by the guide and examination will be conducted by the COE)	4*	4	25	75	100
			*One hour library for each course					
			Total	16	16			400
II	23MPSW2PD		Dissertation#	-	8	-	200	200
			Grand Total	16	24			600

 # Evaluation of the Dissertation Viva voce shall be made jointly by the Research Supervisor and the External Examiner.

M.Phil. TAMIL

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23MPTA1CC1	Core - I	ஆய்வியல் நெறிமுறைகள்	4*	4	25	75	100
	23MPTA1CC2	Core - II	தமிழ் ஆய்வுப் போக்குகள்	4*	4	25	75	100
	23MPTA1CC3	Core - III	கற்பித்தலில் புதிய அணுகுமுறைகள்	4*	4	25	75	100
	23MPTA1CC4	Core - IV (Elective)	Paper on Topic of Research (The syllabus will be prepared by the guide and examination will be conducted by the COE)	4*	4	25	75	100
			*One hour library for each course					
			Total	16	16			400
II	23MPTA2PD		Dissertation#	-	8	-	200	200
			Grand Total	16	24			600

 # Evaluation of the Dissertation Viva voce shall be made jointly by the Research Supervisor and the External Examiner.

M.Phil. ZOOLOGY

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23MPZO1CC1	Core - I	Research Methodology	4*	4	25	75	100
	23MPZO1CC2	Core - II	Advances in Biological Research	4*	4	25	75	100
	23MPZO1CC3	Core - III	Teaching and Learning Skills (Common Paper)	4*	4	25	75	100
	23MPZO1CC4	Core - IV (Elective)	Paper on Topic of Research (The syllabus will be prepared by the guide and examination will be conducted by the COE)	4*	4	25	75	100
			*One hour library for each course					
			Total	**16**	**16**			**400**
II	23MPZO2PD		Dissertation#	-	8	-	200	200
			Grand Total	**16**	**24**			**600**

 # Evaluation of the Dissertation Viva voce shall be made jointly by the Research Supervisor and the External Examiner.

ADVANCED DIPLOMA IN COMPUTER APPLICATIONS WITH ARABIC (ADCAA)
(ONE YEAR COURSE)

Sem	Course Code	Course Title	Ins. Hrs / Week	Credit	Marks CIA	Marks ESE	Total
I	23ADCAA1CC1	Basic Computer and IT	3	3	25	75	100
	23ADCAA1CC2P	Basic Computer and IT - Practical	3	3	20	80	100
	23ADCAA1CC3P	Type Writing in Arabic - Practical	3	3	20	80	100
	23ADCAA1CC4P	ICT - Practical	3	3	20	80	100
		Total	**12**	**12**	**85**	**315**	**400**
II	23ADCAA2CC5	Computer Hardware	3	3	25	75	100
	23ADCAA2CC6P	Computer Hardware - Practical	3	3	20	80	100
	23ADCAA2CC7P	MS Office with Arabic - Practical	3	3	20	80	100
	23ADCAA2CC8P	Corel Draw, Page Maker and Photoshop - Practical	3	3	20	80	100
	23ADCAA2CC9P	Project	3	3	20	80	100
		Total	**15**	**15**	**105**	**395**	**500**
		Grand Total	**27**	**27**	**190**	**710**	**900**

Eligibility: Final year UG Students with Arabic as Part - I Language.

ADDITIONAL PAPERS FOR GETTING AALIM SANAD
INTEGRATED AALIM SANAD – FIVE YEARS COURSE

Sem	Course Code	Part	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23IAS1CC1	III	Core - I	Islamic Etiquettes	6	4	25	75	100
	23IAS1CC2	III	Core - II	Tarjama	6	4	25	75	100
				Total	**12**	**8**	**50**	**150**	**200**
II	23IAS2CC3	III	Core - III	Islamic Manners	6	4	25	75	100
	23IAS2CC4	III	Core - IV	Fiqh - I	6	4	25	75	100
				Total	**12**	**8**	**50**	**150**	**200**
III	23IAS3CC5	III	Core - V	Hadeeth - I	6	4	25	75	100
	23IAS3CC6	III	Core - VI	Fiqh - II	6	4	25	75	100
				Total	**12**	**8**	**50**	**150**	**200**
IV	23IAS4CC7	III	Core - VII	Thafseer - I	6	4	25	75	100
	23IAS4CC8	III	Core - VIII	Hadeeth - II	6	4	25	75	100
				Total	**12**	**8**	**50**	**150**	**200**
V	23IAS5CC9	III	Core - IX	Thafseer - II	6	4	25	75	100
	23IAS5CC10	III	Core - X	Fiqh - III	6	4	25	75	100
				Total	**12**	**8**	**50**	**150**	**200**
VI	23IAS6CC11	III	Core - XI	Thafseer - III	6	4	25	75	100
	23IAS6CC12	III	Core - XII	Hadeeth - III	6	4	25	75	100
				Total	**12**	**8**	**50**	**150**	**200**
VII	23PAS1CC13	III	Core - XIII	History of Islamic Legislation	6	4	25	75	100
	23PAS1CC14	III	Core - XIV	Usool ul Hadeeth	6	4	25	75	100
				Total	**12**	**8**	**50**	**150**	**200**
VIII	23PAS2CC15	III	Core - XV	Meerath	6	4	25	75	100
	23PAS2CC16	III	Core - XVI	Usool ul Fiqh	6	4	25	75	100
	23PAS2CC17	III	Core - XVII	Outreaching Program	-	4	-	100	100
				Total	**12**	**12**	**50**	**250**	**300**
IX	23PAS3CC18	III	Core - XVIII	Usool At Thafseer	6	4	25	75	100
	23PAS3CC19	III	Core - XIX	Aqeeda	6	4	25	75	100
	23PAS3CC20	III	Core - XX	Project	-	4	-	100	100
				Total	**12**	**12**	**50**	**250**	**300**
X	23PAS4CC21	III	Core - XXI	Fiqh - IV	6	4	25	75	100
	23PAS4CC22	III	Core - XXII	Thareekh ul Madhahib	6	4	25	75	100
				Total	**12**	**8**	**50**	**150**	**200**
				Grand Total	**120**	**88**	**500**	**1700**	**2200**

DIPLOMA COURSE IN SPOKEN ARABIC & TRANSLATION SKILLS (ONE YEAR COURSE)

	Course Code	Course Category	Course Title	Hrs/ Week	Credit	Marks		Total
						CIA	ESE	
NON SEM	23DAR01	Core - 1	Prose & Grammar	4	4	25	75	100
	23DAR02	Core - II	Spoken Arabic & Translation Skill	4	4	25	75	100
	23DAR03	Core - III	Introduction to Arabic Computer & Viva-Voce	4	4	25	75	100
			Grand Total	**12**	**12**	**75**	**225**	**300**

CERTIFICATE COURSE IN SPOKEN ARABIC (6 MONTHS COURSE)

	Course Code	Course Category	Course Title	Hrs/ Week	Credit	Marks		Total
						CIA	ESE	
NON SEM	23CAR01	Core - I	Introduction to Arabic	4	4	25	75	100
	23CAR02	Core - II	Communication Skills in Arabic	4	4	25	75	100
	23CAR03	Core - III	Grammar & Translation	4	4	25	75	100
			Grand Total	**12**	**12**	**75**	**225**	**300**

POST GRADUATE DIPLOMA IN FERMENTATION TECHNOLOGY (P.G.D.F.T) (COURSE DURATION: ONE YEAR)

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks		Total
						CIA	ESE	
I	23PDFT1CC1	Core - I	Biomolecules and Microbial Biochemistry	6	4	25	75	100
	23PDFT1CC2	Core - II	Biocatalysis and Biotransformations	6	4	25	75	100
	23PDFT1CC3	Core - III	Microbiology of Industrial Fermentation	6	4	25	75	100
	23PDFT1CC4	Core - IV	Principles of Fermentation Technology	6	4	25	75	100
	23PDFT1CC5P	Core - V	Microbiology, Enzymology and Fermentation - Practical	6	4	20	80	100
			Total	**30**	**20**	**120**	**380**	**500**
II	23PDFT2CC6	Core - VI	Bioseparations and Biological Techniques	6	4	25	75	100
	23PDFT2CC7	Core - VII	Animal and Plant Cell Bioprocesses	6	4	25	75	100
	23PDFT2CC8	Core - VIII	Downstream Processes and Fermentation Economics	6	4	25	75	100
	23PDFT2CC9	Core - IX	Industrial Fermentation Processes	6	4	25	75	100
	23PDFT2CC10P	Core - X	Bioprocess - Practical	6	4	20	80	100
			Total	**30**	**20**	**120**	**380**	**500**
			Grand Total	**60**	**40**	**240**	**760**	**1000**

POST GRADUATE DIPLOMA IN BIOINFORMATICS (P.G.D.B.I) (COURSE DURATION: ONE YEAR)

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks		Total
						CIA	ESE	
I	23PDBI1CC1	Core - I	Fundamental of Bioinformatics	6	4	25	75	100
	23PDBI1CC2	Core - II	Statistics for Bioinformatics	6	4	25	75	100
	23PDBI1CC3	Core - III	Basic Structural Biology	6	4	25	75	100
	23PDBI1CC4	Core - IV	Computer Programming	6	4	25	75	100
	23PDBI1CC5P	Core - V	C Programming and Web Publishing - Practical	6	4	20	80	100
			Total	**30**	**20**	**120**	**380**	**500**
II	23PDBI2CC6	Core - VI	Database Management Systems	6	4	25	75	100
	23PDBI2CC7	Core - VII	Genomics and Proteomics	6	4	25	75	100
	23PDBI2CC8	Core - VIII	Computational Biology	6	4	25	75	100
	23PDBI2CC9	Core - IX	Molecular Modelling and Drug Design	6	4	25	75	100
	23PDBI2CC10P	Core - X	Bioinformatics - Practical	6	4	20	80	100
			Total	**30**	**20**	**120**	**380**	**500**
			Grand Total	**60**	**40**	**240**	**760**	**1000**

DIPLOMA IN HORTICULTURE

Sem	Part	Course	Course Code	Course Title	Total Hours	Credits	Marks CIA	Marks ESE	Total
I	I	General	23DHO1CC1	Fundamentals of horticulture	60	4	25	75	100
	I	General	23DHO1CC2	Plant propagation practices	60	4	25	75	100
	I	General	23DHO1CC3	Floriculture	60	4	25	75	100
	II	Skill	23DHO1CC4P	Fundamentals of horticulture - Practical	180	6	20	80	100
	II	Skill	23DHO1CC5P	Plant propagation practices - Practical	180	6	20	80	100
	II	Skill	23DHO1IN	Floriculture - Internship	180	6	-	-	100
				Total	720	30	115	385	600
			Exit Qualification: Certificate NSQF Level: 4 Exit Qualification Pack: Florist AGR/ Q0703						
II	I	General	23DHO2CC6	Seed science and technology	60	4	25	75	100
	I	General	23DHO2CC7	Horticultural pre and post-harvest practices	60	4	25	75	100
	I	General	23DHO2CC8	Landscape gardening and greenhouse technology	60	4	25	75	100
	II	Skill	23DHO2CC9P	Seed science and technology - Practical	180	6	20	80	100
	II	Skill	23DHO2CC10P	Horticultural pre and post- harvest practices - Practical	180	6	20	80	100
	II	Skill	23DHO2IN	Landscape gardening and greenhouse technology - Internship	180	6	-	-	100
				Total	720	30	115	385	600
				Grand Total	1440	60	230	770	1200

Exit Qualification: Diploma   NSQF Level: 5   Exit Qualification Pack: Heritage Gardener AGR/Q0810
Horticulture supervisor AGR/Q0811

POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS (PGDCA)

Sem	Course Code	Course Category	Course Title	Ins. Hrs/ Week	Credit	Marks CIA	Marks ESE	Total
I	23PDCA1CC1	Core - I	Programming in C	6	4	25	75	100
	23PDCA1CC2	Core - II	Principles of Accountancy	6	4	25	75	100
	23PDCA1CC3	Core - III (A)	Office Automation	4	3	10	40	50
	23PDCA1CC3P	Core - III (B)	Office Automation Lab - Practical	2	1	10	40	50
	23PDCA1CC4	Core - IV (A)	Editing Tools	4	3	10	40	50
	23PDCA1CC4P	Core - IV (B)	Editing Tools Lab - Practical	2	1	10	40	50
	23PDCA1CC5P1	Core - V (A)	C Programming Lab - Practical	3	2	10	40	50
	23PDCA1CC5P2	Core - V (B)	Accounting Package Lab - Practical	3	2	10	40	50
			Total	30	20			500
II	23PDCA2CC6	Core - VI	Visual Programming	6	4	25	75	100
	23PDCA2CC7	Core - VII (A)	Database Management Systems	4	3	10	40	50
	23PDCA2CC7P	Core - VII (B)	RDBMS Lab - Practical	2	1	10	40	50
	23PDCA2CC8	Core - VIII (A)	Shell Programming	4	3	10	40	50
	23PDCA2CC8P	Core - VIII (B)	Shell Programming Lab - Practical	2	1	10	40	50
	23PDCA2CC9	Core - IX	Web Design	6	4	25	75	100
	23PDCA2CC10P1	Core - X (A)	Web Design Lab - Practical	3	2	10	40	50
	23PDCA2CC10P2	Core - X (B)	Visual Programming Lab - Practical	3	2	10	40	50
			Total	30	20			500
			Grand Total		40			1000

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

Sem	Subject code	Course	Subject Title	Hrs/ Week	Credit	Marks CIA	Marks ESE	Total Marks
I	23PDIBFM1CC1	Core - I	Financial, Cost and Management Accounting	4	4	25	75	100
	23PDIBFM1CC2	Core - II	Managerial Economics	2	2	25	75	100
	23PDIBFM1CC3	Core - III	Banking and Islamic Law	2	2	25	75	100
	23PDIBFM1CC4	Core - IV	Islamic Economics	2	2	25	75	100
	23PDIBFM1CC5	Core - V	Islamic Banking and Finance	2	2	25	75	100
			Total	12	12			500
II	23PDIBFM2CC6	Core - VI	Principles of Islamic Shariah	3	2	25	75	100
	23PDIBFM2CC7	Core - VII	Financial Management	3	2	25	75	100
	23PDIBFM2CC8	Core - VIII	Islamic Insurance	3	2	25	75	100
	23PDIBFM2CC9	Core - IX	Islamic Investment and Portfolio Management	3	2	25	75	100
	23PDIBFM2PW	Project Work	Project work - 4 weeks	-	4	25	75	100
			Total	12	12			500
			Grand Total		24			1000

CERTIFICATE COURSE IN DATA ANALYTICS

Course Code	Course	Course Title	Total Hours	Credit	Marks CIA	Marks ESE	Total
23MSCT1	Core - I	Fundamentals of Mathematics, Probability and Statistics	40	4	25	75	100
23MSCT2	Core - II	Primer on Inferential statistics and Sampling distributions	40	4	25	75	100
23MSCT3P	Core - III	Practical*	20	2	20	80	100
		Total	**100**	**10**			**300**

*Practical Examinations will be conducted at the end of the Course   **Course Duration :10 Weeks**

DIPLOMA IN INSURANCE AND ACTUARIAL SCIENCE (UNDER UGC NSQF SCHEME)

Sem.	Course Code	NSQF Level	Course	Course Title	Ins. Hrs/ Sem.	Credit	Marks CIA	Marks ESE	Total
I	23DIA1CC1	4	General	Principles of Insurance	60	4	25	75	100
	23DIA1CC2	4	General	Practice of Life Insurance	60	4	25	75	100
	23DIA1CC3	4	General	Life Insurance Agent	60	4	25	75	100
	23DIA1CC4	4	Skill	Mathematics of Finance - I	90	6	25	75	100
	23DIA1CC5	4	Skill	Practice of Life Insurance - Case Study	90	6	25	75	100
	23DIA1IN1	4	Skill	Life Insurance Agent - Internship Report*	180	6	--	100	100
				Total	**540**	**30**	**125**	**475**	**600**
II	23DIA2CC6	5	General	Regulations of Insurance Business	60	4	25	75	100
	23DIA2CC7	5	General	Practice of General Insurance	60	4	25	75	100
	23DIA2CC8	5	General	Mutual Fund for Distributors and Employees	60	4	25	75	100
	23DIA2CC9	5	Skill	Mathematics of Finance - II	90	6	25	75	100
	23DIA2CC10	5	Skill	Practice of General Insurance - Case Study	90	6	25	75	100
	23DIA2IN2	5	Skill	Mutual Fund for Distributors and Employees - Internship Report*	180	6	--	100	100
				Total	**540**	**30**	**125**	**475**	**600**

* Students may be permitted to undergo Internship for specified number of hours either in on campus or off campus or both.

COURSE ON HUMAN PSYCHOLOGY

Semester	Course Code	Course	Course Title	Total Hours	Credit	Marks CIA	Marks ESE	Total
			CERTIFICATE COURSE					
I	23SWCT1	Core - I	Foundations of Psychology	20	2	25	75	100
	23SWCT2	Core - II	Life span Development	20	2	25	75	100
	23SWCT3P	Core - III	Practical	20	2	-	100	100
			Total	**60**	**06**			**300**
			DIPLOMA PROGRAMME					
II	23SWDM1	Core - I	Counselling Psychology	20	2	25	75	100
	23SWDM2	Core - II	Developmental Psychology	20	2	25	75	100
	23SWDM3P	Core - III	Practical	20	2	-	100	100
			Total	**60**	**06**			**300**
			Grand Total	**120**	**12**			**600**

DIPLOMA IN AQUACULTURE
[National Skill Development Corporation (NSDC) & Agriculture Skill Council of India (ASCI) - LEVELS OF ASSESSMENT (4 & 5)]

Sem	Course Code	Part	Course	Course Title	Total Hours	Credit	CIA	ESE	Total
I	23DAQ1CC1	I	General	Principles of Aquaculture and Biology of Fishes	60	4	25	75	100
	23DAQ1CC2	I	General	Freshwater Aquaculture	60	4	25	75	100
	23DAQ1CC3	I	General	Shrimp Farming	60	4	25	75	100
	23DAQ1CC4P	II	Skill	Principles of Aquaculture and Biology of Fishes - Practical	180	6	20	80	100
	23DAQ1CC5P	II	Skill	Freshwater Aquaculture - Practical	180	6	20	80	100
	23DAQ1IN	III	Skill	Shrimp Farming - Internship	180	6	-	100	100
				Total	**720**	**30**	**115**	**485**	**600**

Exit Qualification: Certificate   NSQF Level: 4   Exit Qualification Pack: Shrimp Farmer Landscaper AGR/Q4902

Sem	Course Code	Part	Course	Course Title	Total Hours	Credit	CIA	ESE	Total
II	23DAQ2CC6	I	General	Brackishwater Aquaculture and Mariculture	60	4	25	75	100
	23DAQ2CC7	I	General	Ornamental Fish Culture and Aquarium Keeping	60	4	25	75	100
	23DAQ2CC8	I	General	Aquaculture Farm Management and Aquatic Nutrition & Animal Health	60	4	25	75	100
	23DAQ2CC9P	II	Skill	Brackishwater Aquaculture and Mariculture - Practical	180	6	20	80	100
	23DAQ2CC10P	II	Skill	Ornamental Fish Culture and Aquarium Keeping - Practical	180	6	20	80	100
	23DAQ2IN	III	Skill	Aquaculture Farm Management and Aquatic Nutrition & Animal Health - Internship	180	6	-	100	100
				Total	**720**	**30**	**115**	**485**	**600**
				Grand Total	**1440**	**60**	**230**	**970**	**1200**

Exit Qualification: Diploma   NSQF Level: 5   Exit Qualification Pack: Fish Seed Grower AGR/Q4908

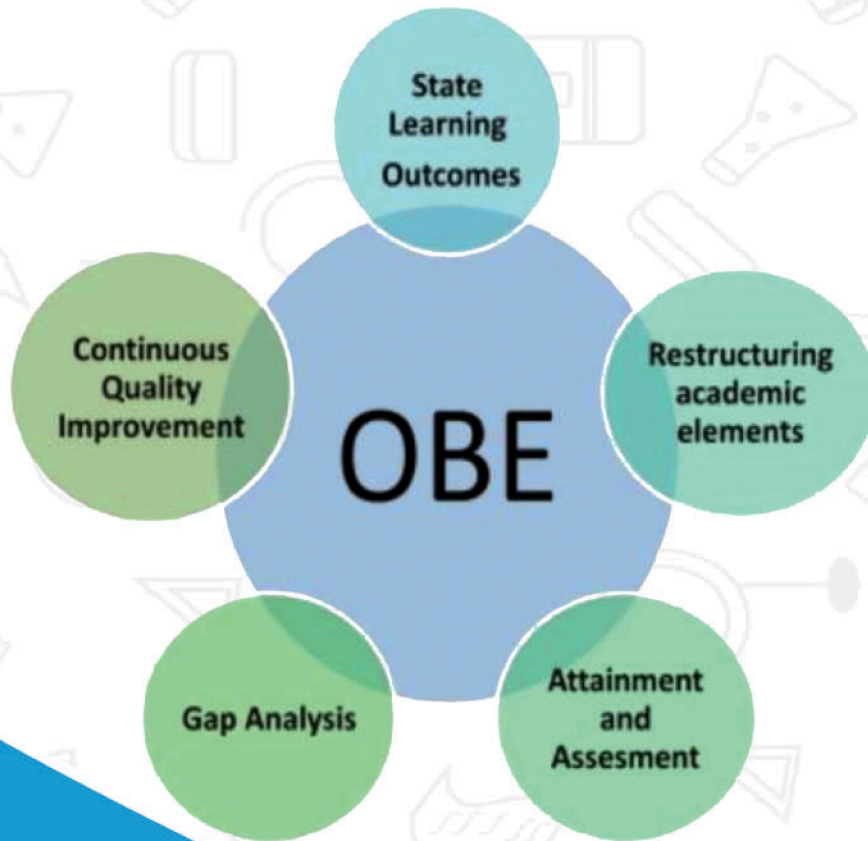**Aquarium Technician AGR/Q5108**
Aquaculture Technician AGR/Q4903

Career Oriented Porgramme (COP)
Certificate Course in Medical Laboratory Technology

Course Code	Course	Course Title	Total Hrs	Credit	CIA Mark	ESE Mark	Total Mark
23ZOCT1	Core - I	Human Anatomy, Physiology and Immunology	150	10	25	75	100
23ZOCT2	Core - II	General Laboratory Principles, Haematology, Biochemistry, Microbiology and Pathology	150	10	25	75	100
23ZOCT3P	Core - III	Laboratory Principles, Haematology, Biochemisty, Microbiology and Pathology - Practical - I	150	10	20	80	100
		Total	**450**	**30**	**70**	**230**	**300**

*Practical Examinations will be conducted at the end of the year

Notes

Notes

State Learning Outcomes

Continuous Quality Improvement

OBE

Restructuring academic elements

Gap Analysis

Attainment and Assesment

BLOOM'S TAXONOMY – COGNITIVE DOMAIN (2001)

HIGHER-ORDER THINKING SKILLS

LOWER-ORDER THINKING SKILLS

CREATING
Use information to create something new

EVALUATING
Examine information and make judgments

ANALYZING
Take apart the known and identify relationships

APPLYING
Use information in a new (but similar) situation

UNDERSTANDING
Grasp meaning of instructional materials

REMEMBERING
Recall specific facts