THIRUVALLUVAR UNIVERSITY
M.Sc. Applied Microbiology
(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
			SEMESTER I			
1	DMB11	4	**General Microbiology and Microbial Physiology**	25	75	100
2	DMB12	4	**Immunology and Immunotechnology**	25	75	100
3	DMB13	4	**Food and Dairy Microbiology**	25	75	100
4	DPMB14	5	**Practical Lab Course - 1**	50	150	200
			Internal Elective for same major students (Choose any one)			
5	DEMB15A	3	**A. Computational Biology**	25	75	100
	DEMB15B	3	**B. Algal Technology**	25	75	100
	DEMB15C	3	**C. Biosafety**	25	75	100
			External Elective from other major departments (Inter/multi disciplinary papers)			
6	DNMB16A	3	**(To choose one out of 3) A.Microscopic Techniques**	25	75	100
	DNMB16B	3	**B. Basics of Microbiology**	25	75	100
	DNMB16C	3	**C. Molecular Biology**	25	75	100
			SEMESTER II			
7	DMB21	4	**Medical Bacteriology and Mycology**	25	75	100
8	DMB22	4	**Industrial Microbiology**	25	75	100
9	DMB23	4	**Molecular Biology and Microbial Genetics**	25	75	100
10	DPMB24	5	**Practical Lab Course - 2**	50	150	200
			Internal Elective for same major students (Choose any one)			
11	DEMB25A	3	**(To choose one out of 3) A. Mushroom cultivation**	25	75	100
	DEMB25B	3	**B. Biofertilizer Technology**	25	75	100
	DEMB25C	3	**C. Intellectual Property Rights**	25	75	100
			External Elective for other major departments (Inter/multi disciplinary			

			papers)			
12	DNMB26A	3	(To choose one out of 3) A. Food Processing Technology	25	75	100
	DNMB26B	3	B. Infectious Diseases and its Control	25	75	100
	DNMB26C	3	C. Microbial Ecology	25	75	100
13	DFS 20	2	*Field Study	100	-	100
			Compulsory Paper			
14	DHR20	2	Human Rights	25	75	100

THIRUVALLUVAR UNIVERSITY
M.Sc. BIOCHEMISTRY
(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
			SEMESTER I			
1	DBC11	4	Advances in cell biology	25	75	100
2	DBC12	4	Chemistry of Biomolecules	25	75	100
3	DBC13	3	Human physiology	25	75	100
			Internal Elective for same major students (Choose any one)			
4	DEBC14A	3	A. Pharmaceutical Biochemistry	25	75	100
	DEBC14B	3	B. Plant Biochemistry	25	75	100
	DEBC14C	3	C. Cancer Biology	25	75	100
			External Elective from other major departments-Choose any one out of 3			
5	DNBC15A	3	A. Bioinstrumentation	25	75	100
	DNBC15B	3	B. Developmental Biology	25	75	100
	DNBC15C	3	C. Nanoscience and Technology	25	75	100
			SEMESTER II			
6	DBC21	4	Analytical Biochemistry	25	75	100
7	DBC22	4	Molecular Biology	25	75	100
8	DBC23	4	Metabolic Regulation and Disorders	25	75	100
9	DPBC24	3	Isolation ,Characterization Techniques and Quantitative Analysis,	25	75	100
10	DPBC25	3	Molecular Biology and Microbiology Practical	25	75	100
			Internal Elective for same major students (Choose any one)			
11	DEBC26A	3	A. Microbiology	25	75	100
	DEBC26B	3	B. Bioinformatics	25	75	100
	DEBC26C	3	C.Biochemical and Environmental Toxicology	25	75	100
			External Elective for other major departments (To choose one out of 3)			
12	DNBC27A	3	A. Herbal Medicine	25	75	100
	DNBC27B	3	B. Herbal Drug Development	25	75	100
	DNBC27C	3	C. Organic Farming	25	75	100
13	DFS20	2	*Field Study	100	-	100
			Compulsory Paper			
14	DHR20	2	Human Rights	25	75	100

THIRUVALLUVAR UNIVERSITY
M.Sc. BIOINFORMATICS
(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
SEMESTER I
1	DBI11	4	Basic Bioinformatics	25	75	100
2	DBI12	4	Cell and Molecular Biology	25	75	100
3	DBI13	4	Programming in C & C++	25	75	100
4	DPBI14		Biochemistry, Biophysics and Molecular Biology (LAB)	25	75	100
Internal Elective for same major students (Choose any one)
5	DEBI15A	3	A. Mathematics & Statistical methods in Bioinformatics	25	75	100
	DEBI15B	3	B. Biodiversity Informatics	25	75	100
	DEBI15C	3	C. Genetics & Evolution	25	75	100
External Elective from other major departments-Choose any one out of 3
6	DNBI16	3	Biological Databases	25	75	100
SEMESTER II
7	DBI21	4	Genomics & Proteomics	25	75	100
8	DBI22	4	Relational DBMS & MySQL	25	75	100
9	DBI23	4	Structural Biology	25	75	100
10	DPBI24	3	Biochemistry, Biophysics and Molecular Biology (LAB)	25	75	100
11	DPBI25	3	Sequence Analysis (LAB)	25	75	100
12	DPBI26	3	Programming in C & C++ (LAB)	25	75	100
Internal Elective for same major students (Choose any one)
13	DEBI27A	3	A. Biophysics & Biochemistry	25	75	100
	DEBI27B	3	B. Biological	25	75	100

			Algorithms			
	DEBI27C	3	C. Cheminformatics	25	75	100
External Elective for other major departments (To choose one out of 3)						
14	DNBI28	3	Biological Sequence Analysis	25	75	100
15	DFS20	2	*Field Study	100	-	100
			Compulsory Paper			
16	DHR20	2	Human Rights	25	75	100

THIRUVALLUVAR UNIVERSITY
M.Sc. BIOTECHNOLOGY
(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
			SEMESTER I			
1	DBT11	4	Cell & Developmental Biology	25	75	100
2	DBT12	4	Biochemistry	25	75	100
3	DBT13	4	Genetics & Molecular Biology	25	75	100
			Internal Elective for same major students (Choose any one)			
4	DEBT14A	3	A. Bioinstrumentation	25	75	100
	DEBT14B	3	B. Bioprospecting	25	75	100
	DEBT14C	3	C. Aqua Culture Biotechnology	25	75	100
			External Elective from other major departments-Choose any one out of 3			
5	DNBT15A DNBT15B DNBT15C	3	A. Tools in Biotechnology B. Medical Biotechnology C. Food Biotechnology	25	75	100
			SEMESTER II			
6	DBT21	4	Microbial Technology	25	75	100
7	DBT22	4	Immuno Technology	25	75	100
8	DBT23	3	Genetic Engineering	25	75	100
9	DPBT24	3	Lab in Cell & Developmental Biology and Microbial Technology	25	75	100
10	DPBT25	3	Lab in Biochemistry and ImmunoTechnology	25	75	100
11	DPBT26	3	Lab in Genetics & Molecular Biology and Genetic Engineering	25	75	100
			Internal Elective for same major students (Choose any one)			
12	DEBT27A	3	A. Omics Technology	25	75	100
	DEBT27B	3	B.Pharmaceutical Biotechnology	25	75	100
	DEBT27C	3	C. Nanotechnology	25	75	100
			External Elective for other major departments (To choose one out of 3)			
13	DNBT28A	3	A. Medicinal Plants	25	75	100
	DNBT28B	3	B. Tissue Culture	25	75	100
	DNBT28C	3	C. Molecular	25	75	100

			Diagnostics			
14	**DFS20**	**2**	***Field Study**	**100**	**-**	**100**
			Compulsory Paper			
15	**DHR20**	**2**	**Human Rights**	**25**	**75**	**100**

THIRUVALLUVAR UNIVERSITY
M.Sc. CHEMISTRY
(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
			SEMESTER I			
1	DCH11	4	Organic Chemistry- I	25	75	100
2	DCH12	3	Inorganic Chemistry- I	25	75	100
3	DCH13	3	Physical Chemistry- I	25	75	100
			Internal Elective for same major students (Choose any one)			
4	DECH14A	3	A. Advanced Polymer Chemistry	25	75	100
	DECH14B	3	B. Heterocyclic Chemistry	25	75	100
	DECH14C	3	C. Materials Chemistry	25	75	100
			External Elective from other major departments-Choose any one out of 3			
5	DNCH18A	3	A. Chemistry in Agriculture	25	75	100
	DNCH18B	3	B. Food Chemistry	25	75	100
	DNCH18C	3	C. Industrial chemistry-I	25	75	100
			SEMESTER II			
6	DCH21	3	Organic Chemistry- II	25	75	100
7	DCH22	4	Inorganic Chemistry- II	25	75	100
8	DCH23	3	Physical Chemistry- II	25	75	100
9	DPCH24	3	Organic Chemistry Practical- I	25	75	100
10	DPCH25	3	Inorganic Chemistry Practical- I	25	75	100
11	DPCH26	3	Physical Chemistry Practical- I	25	75	100
			Internal Elective for same major students (Choose any one)			
12	DECH27A	3	A. Green Chemistry	25	75	100
	DECH27B	3	B. Supramolecular and Nanochemistry	25	75	100
	DECH27C	3	C. Modern Separation Techniques	25	75	100
			External Elective for other major departments (To choose one out of 3)			
13	DNCH28A	3	A. Medicinal Chemistry	25	75	100
	DNCH28B	3	B. Textile chemistry	25	75	100
	DNCH28C	3	C. Diary Chemistry	25	75	100
14	DFS20	2	*Field Study	100	-	100
			Compulsory Paper			
15	DHR20	2	Human Rights	25	75	100

THIRUVALLUVAR UNIVERSITY
M.Sc. GEOLOGY

(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
			SEMESTER I			
1	DGE11	4	Applied Geomorphology	25	75	100
2	DGE12	4	Structural Geology and Geo tectonic	25	75	100
3	DGE13	4	Mineralogy	25	75	100
4	DGE14	4	Palaeontology	25	75	100
			Internal Elective for same major students (Choose any one)			
5	DEGE15A	3	A. Ore Geology	25	75	100
	DEGE15B	3	B. Fuel Geology	25	75	100
	DEGE15C	3	C. Marine Geology	25	75	100
			External Elective from other major departments-Choose any one out of 3			
6	DNGE17A	3	A. Meteorology and Climate Change	25	75	100
	DNGE17B	3	B. Geohazards	25	75	100
	DNGE17C	3	C. Water Resources Management	25	75	100
			SEMESTER II			
7	DGE21	4	Igneous and Metamorphic Petrology	25	75	100
8	DGE22	4	Sedimentology	25	75	100
9	DGE23	4	Stratigraphic Principles and Indian Stratigraphy	25	75	100
10	DGE24	4	Exploration Geology	25	75	100
11	DPGE25	3	Practical –I Structural Geology, Mineralogy and Palaeontology*	25	75	100
12	DPGE26	3	Petrology and Sedimentology*	25	75	100
			Internal Elective for same major students (Choose any one)			
13	DEGE27A	3	A. Palaeo botany	25	75	100
	DEGE27B	3	B. Sequence Stratigraphy	25	75	100
	DEGE27C	3	C. Petroleum Exploration	25	75	100
			External Elective for other major departments (To choose one out of 3)			
14	DNGE28A	3	A. Earth System Science	25	75	100
	DNGE28B	3	B. Gemmology	25	75	100
	DNGE28C	3	C. Soil Geology	25	75	100
15	DFS20	2	*Field Study	100	-	100
			Compulsory Paper			
16	DHR20	2	**Human Rights**	25	75	100

THIRUVALLUVAR UNIVERSITY
M.Sc. INFORMATION TECHNOLOGY

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
			SEMESTER I			
1	DIT11	3	Operating System	25	75	100
2	DIT12	3	Object Oriented Analysis & Design	25	75	100
3	DIT13	3	DBMS	25	75	100
			Internal Elective for same major students (Choose any one)			
4	DEIT14A	3	A. Computer Architecture	25	75	100
	DEIT14B	3	B. Discrete Mathematics	25	75	100
	DEIT14C	3	C. Principles of Communication System	25	75	100
			External Elective from other major departments-Choose any one out of 3			
5	DNIT15	3	Digital data handling	25	75	100
			SEMESTER II			
6	DIT21	3	Visual Programming	25	75	100
7	DIT22	3	Computer Networks	25	75	100
8	DIT23	3	Software Engineering	25	75	100
9	DPIT24	4	Object Oriented Programming Lab (Practical I)	25	75	100
10	DPIT25	4	RDBMS- Lab (Practical II)	25	75	100
11	DPIT26	4	Visual Programming – Lab (Practical III)	25	75	100
			Internal Elective for same major students (Choose any one)			
12	DEIT27A	3	A. Introduction to Computation with PYTHON	25	75	100
	DEIT27B	3	B. E-Commerce	25	75	100
	DEIT27C	3	C. Microprocessor & Micro Controller	25	75	100
			External Elective for other major departments (To choose one out of 3)			
13	DNIT28	3	HTML Programming	25	75	100
14	DFS 20	2	*Field Study	100	-	100
			Compulsory Paper			
15	DHR20	2	Human Rights	25	75	100

THIRUVALLUVAR UNIVERSITY
M.Sc. HOME SCIENCE -INTERIOR DESIGN AND RESOURCE MANAGEMENT
(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
SEMESTER I						
1	DID11	4	**Introduction to Design and Design Techniques**	25	75	100
2	DID12	4	Principles of Resource Management	25	75	100
3	DID13	4	**Advanced landscape design**	25	75	100
Internal Elective for same major students (Choose any one						
	DEID14A	3	**A. Traditional Interiors**	25	75	100
4	DEID14B	3	**B. Renewable Energy Resources**	25	75	100
	DEID14C	3	**C. Art in Commercial Space**	25	75	100
External Elective from other major departments (Inter/multi disciplinary papers)						
	DNID15A	3	**A. Housekeeping and Front Office Management**	25	75	100
5	DNID15B	3	**B. Floriculture and floral art**	25	75	100
	DNID15C	3	**C. Interior Decoration**	25	75	100
SEMESTER II						
6	DID21	4	Research Methodology and Statistics	25	75	100
7	DID22	4	Space Planning in Interiors	25	75	100
8	DID23	4	Interior Decoration Perspectives	25	75	100
9	DPID24	3	**Advanced landscape design -Practical**	25	75	100
10	DPID25	3	Advanced CAD in Interior Design - Practical	25	75	100
Internal Elective for same major students (Choose any one)						
	DEID26A	3	**A. Furniture Design**	25	75	100
11	DEID26B	3	**B. Advanced Graphic Design**	25	75	100
	DEID26C	3	**C. Innovation and Entrepreneurship**	25	75	100
External Elective for other major departments (Inter/multi disciplinary papers)						
12	DNID27A	3	**A. Landscape Design**	25	75	100

	DNID27B	3	**B. Entrepreneurship Development**	25	75	100
	DNID27C	3	**C. Art in Interiors**	25	75	100
13	DFS20	2	***Field Study**	100	-	100
			Compulsory Paper			
14	DHR20	2	**Human Rights**	25	75	100

THIRUVALLUVAR UNIVERSITY
M.Sc. STATISTICS
(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
			SEMESTER I			
1	DST11	4	**Mathematical Analysis**	25	75	100
2	DST12	4	**Measure and Probability Theory**	25	75	100
3	DST13	4	**Distribution Theory**	25	75	100
4	DST14	4	**Programming in R**	25	75	100
			Internal Elective for same major students (Choose any one)			
5	DEST15A	3	**A. Official Statistics**	25	75	100
	DEST15B	3	**B. Advanced Operations Research**	25	75	100
			External Elective from other major departments-Choose any one out of 3			
6	DNST16A	3	**A. Basic Statistics**	25	75	100
	DNST16B	3	**B. Operations Research**	25	75	100
			SEMESTER II			
7	DST21	4	**Sampling Theory**	25	75	100
8	DST22	4	**Estimation Theory**	25	75	100
9	DPST23	3	**Statistical Practical – I**	40	60	100
10	DPST24	3	**Statistical Software Practical – I (Using R)**	40	60	100
			Internal Elective for same major students (Choose any one)			
11	DEST25A	3	**A. Linear Regression Analysis**	25	75	100
	DEST25B	3	**B. Actuarial Statistics**	25	75	100
			External Elective for other major departments (To choose one out of 3)			
12	DNST26A	3	**A. Probability and Statistics**	25	75	100
	DNST26B	3	**B. Indian Official Statistics**	25	75	100
13	DFS20	2	***Field Study**	100	-	100
			Compulsory Paper			
14	DHR20	2	**Human Rights**	25	75	100

THIRUVALLUVAR UNIVERSITY
M.Sc. ZOOLOGY
(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
			SEMESTER I			
1	DZO11	4	**Life and Diversity of Invertebrates**	25	75	100
2	DZO12	4	**Life and Diversity of Chordates**	25	75	100
3	DZO13	4	**Cell and Molecular biology**	25	75	100
			Internal Elective for same major students (Choose any one)			
4	DEZO14A	3	A) **Aquaculture and Farm management**	25	75	100
	DEZO14B	3	B) **Biostatistics and Bioinformatics**	25	75	100
			External Elective from other major departments-Choose any one out of 3			
5	DNZO15A	3	A) **Apiculture**	25	75	100
	DNZO15B	3	B) **Public Health and Hygiene**	25	75	100
			SEMESTER II			
6	DZO21	4	**Genetics**	25	75	100
7	DZO22	4	**Environmental Biology**	25	75	100
8	DZO23	4	**Biotechnology**	25	75	100
9	DPZO24	4	**Life and diversity of Invertebrates, Chordates, Cell and molecular Biology. – Practical I**	25	75	100
10	DPZO25	4	**Genetics, Environmental Biology and Biotechnology - Practical II**	25	75	100
			Internal Elective for same major students (Choose any one)			
11	DEZO26A	3	(A) **Endocrinology**	25	75	100
	DEZO26B	3	(B) **Bio-Chemistry**	25	75	100
			External Elective for other major departments (To choose one out of 3)			
12	DNZO27A	3	(A) **Vermiculture**	25	75	100
	DNZO27B	3	(B) **Wild Life Management and Conservation**	25	75	100
13	DFS20	2	***Field Study**	100	-	100

			Compulsory Paper			
14	DHR20	2	Human Rights	25	75	100

THIRUVALLUVAR UNIVERSITY
M.Sc. BOTANY
(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
			SEMESTER I			
1	DBO11	4	Phycology and Bryology	25	75	100
2	DBO12	4	Mycology, Lichenology Bacteriology, Virology and Plant Pathology	25	75	100
3	DBO13	4	Pteridophytes, Gymnosperms and Paleo-Botany	25	75	100
			Internal Elective for same major students (Choose any one)			
4	DEBO14A	3	A. Microbiology	25	75	100
	DEBO14B	3	B. Pharmacognosy	25	75	100
			External Elective from other major departments-Choose any one out of 3			
5	DNBO15A	3	A. Mushroom Cultivation	25	75	100
	DNBO15B	3	B. Horticulture and Landscaping	25	75	100
			SEMESTER II			
6	DBO21	4	Anatomy and Embryology of Angiosperms	25	75	100
7	DBO22	4	Cell and Molecular Biology	25	75	100
8	DBO23	4	Genetics, Plant Breeding and Evolution	25	75	100
9	DPBO24	0	Practical-I, covering Theory Papers I, II & III	25	75	100
10	DPBO25	3	Practical-II, covering Theory Papers IV, V & VI	25	75	100
			Internal Elective for same major students (Choose any one)			
11	DEBO26A	3	A.Techniques in Botany	25	75	100
	DEBO26B	3	B. Industrial Microbiology	25	75	100
			External Elective for other major departments (To choose one out of 3)			
12	DNBO27A	3	A. Organic farming	25	75	100
	DNBO27B	3	B. Herbal Sciences	25	75	100
13	DFS20	2	*Field Study	100	-	100
			Compulsory Paper			
14	DHR20	2	Human Rights	25	75	100

THIRUVALLUVAR UNIVERSITY
M.Sc. Computer Science
(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
			SEMESTER I			
1	DCS11	3	**Relational Database Management System**	25	75	100
2	DCS12	3	**Enterprise Java Programming**	25	75	100
3	DCS13	3	**Programming using C#.NET**	25	75	100
4	DPCS14	2	**Practical 1:Relational Database Management System**	25	75	100
5	DPCS15	2	**Practical 2: Enterprise Java Programming**	25	75	100
6	DPCS16	2	**Practical 3: Programming using C#.NET**	25	75	100
			Internal Elective for same major students (Choose any one)			
7	DECS17A	**3**	A. **Computer Organization**	25	75	100
	DECS17B	**3**	B. **Parallel Computing**	25	75	100
	DECS17C	**3**	c. **Embedded System**	25	75	100
			External Elective from other major departments-Choose any one out of 3			
8	DNCS18A	**3**	A. **E-Commerce**	25	75	100
	DNCS18B	**3**	B. **Introduction to Computer Applications**	25	75	100
	DNCS18C	**3**	C. **Principles of Internet**	25	75	100
			SEMESTER II			
9	DCS21	3	**Advanced Enterprise Java Programming**	25	75	100
10	DCS22	3	**Design and Analysis of Algorithm**	25	75	100
11	DCS23	3	**Web Application using C#.NET**	25	75	100
12	DPCS24	2	**Practical 4: Advanced Enterprises Java Programming**	25	75	100
13	DPCS25	2	**Practical 5: Design and Analysis of Algorithm**	25	75	100
14	DPCS26	2	**Practical 6: Web Application using c#.NET**	25	75	100
			Internal Elective for same major students (Choose any one)			
15	DECS27A	**3**	A. **Human Computer Interaction**	25	75	100
	DECS27B	**3**	B. **Social Information N/W**	25	75	100

	DECS27C	3	C. Cloud Computing	25	75	100
External Elective for other major departments (To choose one out of 3)						
16	DNCS28A	3	A. Principles of Web Design	25	75	100
	DNCS28B	3	B. Open Source Software	25	75	100
	DNCS28C	3	C. Problem Solving Techniques	25	75	100
17	DFS20	2	*Field Study	100	-	100
			Compulsory Paper			
18	DHR20	2	Human Rights	25	75	100

THIRUVALLUVAR UNIVERSITY
M.Sc. Physics
(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
SEMESTER I						
1	DPH11	4	Mathematical Physics - I	25	75	100
2	DPH12	4	Classical and Statistical Mechanics	25	75	100
3	DPH13	4	Quantum Mechanics - I	25	75	100
Internal Elective for same major students (Choose any one)						
4	DEPH14A	3	A. Electronic Devices and Applications	25	75	100
	DEPH14B	3	B. Fiber Optic Communication	25	75	100
	DEPH14C	3	C. Electronics Communication Systems	25	75	100
External Elective from other major departments-Choose any one out of 3						
5	DNPH15A	3	A. Energy Physics	25	75	100
	DNPH15B	3	B. Basic Physics	25	75	100
	DNPH15C	3	C. Communication Physics	25	75	100
SEMESTER II						
6	DPH21	4	Mathematical Physics - II	25	75	100
7	DPH22	4	Electro Magnetic Theory	25	75	100
8	DPH23	4	Quantum Mechanics - II	25	75	100
9	DPPH24	4	General Practical	25	75	100
10	DPPH25	4	Electronics Practical	25	75	100
Internal Elective for same major students (Choose any one)						
	DEPH26A	3	A. Nanoscience	25	75	100
11	DEPH26B	3	B. Electronics Instrumentation	25	75	100
	DEPH26C	3	C. Non- linear optics	25	75	100
External Elective for other major departments (To choose one out of 3)						
12	DNPH27A	3	A. Spectroscopy and Lasers	25	75	100
	DNPH27B	3	B. Physics for Competitive Exams	25	75	100
	DNPH27C	3	C. Analog and Digital Electronics	25	75	100
	DFS20	2	*Field Study	100	-	100

13						
			Compulsory Paper			
14	**DHR20**	**2**	**Human Rights**	**25**	**75**	**100**

THIRUVALLUVAR UNIVERSITY
M.A. ENGLISH
(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
			I YEAR (I SEMESTER)			
1.	DEN11	4	**British Poetry (Chaucer to 20th century)**	25	75	100
2.	DEN12	4	**American Literature**	25	75	100
3.	DEN13	4	**Indian Literature in English**	25	75	100
4.	DEN14	4	**Advanced Linguistics**	25	75	100
			Elective (To choose 1 out of 3)			
5.	DEEN15A	3	**Indian Writing in Translation**	25	75	100
6.	DEEN15B	3	**Fourth World Literature**	25	75	100
7.	DEEN15C	3	**Folk Tale and Myth**	25	75	100
			NON MAJOR ELECTIVE (To choose 1 out of 3)			
8.	DNEN16A	3	**Literature for Social Transformation**	25	75	100
9.	DNEN16B	3	**Green Cultural Studies**	25	75	100
10.	DNEN16C	3	**Public Speaking and Creative Writing**	25	75	100
			I YEAR (II SEMESTER)			
11.	DHR20	2	**Human Rights**	25	75	100
12.	DEN21	4	**British Drama**	25	75	100
13.	DEN22	4	**Translation Theory & Practice**	25	75	100
14.	DEN23	4	**Contemporary Literary Theory - I**	25	75	100
15.	DFS20	2	***Field Study**	100	-	100
			Elective (To choose 1 out of 3)			
16.	DEEN24A	3	**Comparative Literature**	25	75	100
17.	DEEN24B	3	**New Literature in English.**	25	75	100
18.	DEEN24C	3	**Subaltern Literary Studies**	25	75	100
			NON MAJOR ELECTIVE (To choose 1 out of 3)			
19.	DNEN25A	3	**Technical Writing.**	25	75	100
20.	DNEN25B	3	**Diaspora Literature**	25	75	100
21.	DNEN25C	3	**Journalism and Mass Communication.**	25	75	100

THIRUVALLUVAR UNIVERSITY
M. A. HISTORY
(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
			I YEAR (I SEMESTER)			
1.	DHI11	4	**Social and Cultural History of Tamil Nadu up to 1565 CE**	25	75	100
2.	DHI12	4	**Social and Cultural History of India up to C.E 1526**	25	75	100
3.	DHI13	4	**Social and Cultural History of India from 1526 to 1773**	25	75	100
4.	DHI14	4	**India and her Neighbours since 1947**	25	75	100
			Elective (To choose 1 out of 3)			
5.	DEHI15A	3	**Intellectual History of India**	25	75	100
6.	DEHI15B	3	**Archives Keeping**	25	75	100
7.	DEHI15C	3	**Economic History of India up to 1526. C.E**	25	75	100
			NON MAJOR ELECTIVE (To choose 1 out of 3)			
8.	DNHI16A	3	**Contemporary History of Tamil Nadu from 1947 to 2001**	25	75	100
9.	DNHI16B	3	**Introduction to Tourism**	25	75	100
10.	DNHI16C	3	**Constitutional History of India from 1773 to 1947**	25	75	100
			I YEAR (II SEMESTER)			
11.	DHR20	2	**Human Rights**	25	75	100
12.	DHI21	4	**Social and Cultural History of Tamil Nadu from C.E 1565 to C.E 2000**	25	75	100
13.	DHI22	4	**Social and Cultural History of India from 1773 to 2000**	25	75	100
14.	DHI23	4	**General Studies for Competitive Examinations**	25	75	100
15.	DFS20	2	***Field Study**	100	-	100
			ELECTIVE (To choose 1 out of 3)			
16.	DEHI24A	3	**Administrative History of India**	25	75	100
17.	DEHI24B	3	**Introduction to Archaeology**	25	75	100
18.	DEHI24C	3	**Economic History of India from 1526 to 1857**	25	75	100
			NON MAJOR ELECTIVE (To choose 1 out of 3)			
19.	DNHI25A	3	**The Indian National Movement**	25	75	100
20.	DNHI25B	3	**Panchayat Raj**	25	75	100
21.	DNHI25C	3	**The Constitution of India**	25	75	100

THIRUVALLUVAR UNIVERSITY
M. A. TAMIL
(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
			I YEAR (I SEMESTER)			
1.	DTA11	4	இக்காலஇலக்கியம்	25	75	100
2.	DTA12	4	அறஇலக்கியம்	25	75	100
3.	DTA13	4	தொல்காப்பியம்-எழுத்ததிகாரம்	25	75	100
4.	DTA14	4	தமிழ்பண்பாட்டுவரலாறு	25	75	100
			ELECTIVE (To choose one out of 2)			
5.	DETA15A	3	1.மொழியியல் அறிமுகம்	25	75	100
6.	DETA15B	3	2.தொல்லியல	25	75	100
			NON MAJOR ELECTIVE (To choose one out of 2)			
7.	DNTA16A	3	இதழியல் தமிழ்	25	75	100
8.	DNTA16B	3	பேச்சுக்கலை	25	75	100
			I YEAR (II SEMESTER)			
9.	DHR20	2	**Human Rights**	25	75	100
10.	DTA21	4	காப்பியங்கள்	25	75	100
11.	DTA22	4	பக்திஇலக்கியம்	25	75	100
12.	DTA23	4	தொல்காப்பியம் - சொல்லதிகாரம்	25	75	100
13.	DFS20	2	*Field Study	100	-	100
			ELECTIVE (To choose one out of 2)			
14.	DETA24A	3	சைவசித்தாந்தம்	25	75	100
15.	DETA24B	3	பெண்ணியப்படைப்புகள	25	75	100
			NON MAJOR ELECTIVE (To choose one out of 2)			
16.	DNTA25A	3	ஊடகத்தமிழ்	25	75	100
17.	DNTA25B	3	நாடகத்தமிழ்	25	75	100

THIRUVALLUVAR UNIVERSITY
M.A. ECONOMICS
(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
I YEAR (I SEMESTER)						
1.	DEC11	4	Microeconomics – I	25	75	100
2.	DEC12	4	Macroeconomics – I	25	75	100
3.	DEC13	4	Statistics for Economics – I	25	75	100
4.	DEC14	4	Indian Economic Development	25	75	100
ELECTIVE (To choose 1 out of 3)						
5.	DEEC15A	3	Agricultural Economics	25	75	100
6.	DEEC15B	3	Labour Economics	25	75	100
7.	DEEC15C	3	Monetary Economics	25	75	100
NON MAJOR ELECTIVE (To choose 1 out of 3)						
8.	DNEC16A	3	Basic Economics	25	75	100
9.	DNEC16B	3	Recent Issues in IndianEconomy - I	25	75	100
10.	DNEC16C	3	An Introduction to Environmental Economics	25	75	100
I YEAR (II SEMESTER)						
11.	DHR20	2	Human Rights	25	75	100
12.	DEC21	4	Microeconomics – II	25	75	100
13.	DEC22	4	Macroeconomics – II	25	75	100
14.	DEC23	4	Statistics for Economics – II	25	75	100
15.	DFS20	2	*Field Study	100	-	100
ELECTIVE (To choose 1 out of 3)						
16.	DEEC24A	3	Economics of Social Issues	25	75	100
17.	DEEC24B	3	Statistical Software	25	75	100
18.	DEEC24C	3	Mathematical Economics	25	75	100
NON MAJOR ELECTIVE (To choose 1 out of 3)						
19.	DNEC25A	3	A. Marketing Management	25	75	100
20.	DNEC25B	3	Recent Issues in Indian Economy - II	25	75	100
21.	DNEC25C	3	Agricultural Economy of India	25	75	100

THIRUVALLUVAR UNIVERSITY
M.Com. (Computer Application)

(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
			I YEAR (I SEMESTER)			
1.	DCP11	4	**Advanced Financial Management**	25	75	100
2.	DCP12	4	**Marketing Management**	25	75	100
3.	DCP13	4	**Advanced Business Statistics**	25	75	100
4.	DCP14	2	**Programming with C**	25	75	100
5.	DCP15	2	**Programming With C Lab**	25	75	100
			ELECTIVE (To choose 1 out of 3)			
6.	DECP16A	3	**Computer Application in Business**	25	75	100
7.	DECP16B	3	**Computer Organization Architecture**	25	75	100
8.	DECP16C	3	**Principles of Programming Language**	25	75	100
			NON MAJOR ELECTIVE (To choose 1 out of 3)			
9.	DNCP17A	3	**Business Environment**	25	75	100
10.	DNCP17B	3	**Elements of Insurance**	25	75	100
11.	DNCP17C	3	**Corporate Social Responsibility**	25	75	100
			I YEAR (II SEMESTER)			
12.	DHR20	2	**Human Rights**	25	75	100
13.	DCP21	4	**Human Resource Management**	25	75	100
14.	DCP22	4	**Advanced Corporate Accounting**	25	75	100
15.	DCP23	2	**Object Oriented Programming Using C++**	25	75	100
16.	DCP24	2	**Object Oriented Programming Using C++ - Lab**	25	75	100
17.	DFS20	2	***Field Study**	100	-	100
			ELECTIVE (To choose 1 out of 3)			
18.	DECP25A	3	**Principles of Information Technology**	25	75	100
19.	DECP25B	3	**Programming Solving Strategy**	25	75	100
20.	DECP25C	3	**Decision Support System**	25	75	100
			NON MAJOR ELECTIVE (To choose 1 out of 3)			
21.	DNCP26A	3	**Principles of Management**	25	75	100
22.	DNCP26B	3	**Global Marketing**	25	75	100
23.	DNCP26C	3	**Export and Import Management**	25	75	100

THIRUVALLUVAR UNIVERSITY
MASTER OF COMMERCE
(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
			I YEAR (I SEMESTER)			
1.	DCM11	4	Advanced Financial Management	25	75	100
2.	DCM12	4	Accounting for Managerial Decision	25	75	100
3.	DCM13	4	Marketing Management	25	75	100
4.	DCM14	4	Advanced Business Statistics	25	75	100
			ELECTIVE (To choose 1 out of 3)			
5.	DECM15A	3	A. Business Environment	25	75	100
6.	DECM15B	3	Computer Application in Business	25	75	100
7.	DECM15C	3	Managerial Economics	25	75	100
			NON MAJOR ELECTIVE (To choose 1 out of 3)			
8.	DNCM16A	3	Principles of Marketing	25	75	100
9.	DNCM16B	3	Elements of Insurance	25	75	100
10.	DNCM16C	3	Corporate Social Responsibility	25	75	100
			I YEAR (IISEMESTER)			
11.	DHR20	2	Human Rights	25	75	100
12.	DCM21	4	Corporate Laws	25	75	100
13.	DCM22	4	Human Resource Management	25	75	100
14.	DCM23	4	Advanced Corporate Accounting	25	75	100
15.	DFS20	2	*Field Study	100	-	100
			ELECTIVE (To choose 1 out of 3)			
16.	DECM24A	3	Export-Import Management	25	75	100
17.	DECM24B	3	Global Marketing	25	75	100
18.	DECM24C	3	E-Commerce	25	75	100
			NON MAJOR ELECTIVE (To choose 1 out of 3)			
19.	DNCM25A	3	Principles of Management	25	75	100
20.	DNCM25B	3	Elements of Accounting	25	75	100
21.	DNCM25C	3	Elements of Business Law	25	75	100

THIRUVALLUVAR UNIVERSITY
MASTER OF SOCIAL WORK
(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
I YEAR (II SEMESTER)						
1.	DSW11	3	Social Work Profession and Practice	25	75	100
2.	DSW 12	3	Social Work practice with Individuals	25	75	100
3.	DSW 13	3	Social Work practice with Groups	25	75	100
4.	DSW 14	5	Concurrent Field Work-I Social Work Profession and Practice	40	60	100
ELECTIVE (To choose 1 out of 3)						
5.	DESW 15A	3	Sociology for Social Work practice	25	75	100
6.	DESW 15B	3	Social Development : Theories and Perspectives	25	75	100
7.	DESW 15C	3	Civil Society and Governance	25	75	100
NON MAJOR ELECTIVE (To choose 1 out of 3)						
8.	DNSW16A	3	Environmental Social Work	25	75	100
9.	DNSW16B	3	Social Entrepreneurship	25	75	100
10.	DNSW16C	3	Project Management	25	75	100
I YEAR (II SEMESTER)						
11.	DHR20	2	Human Rights	25	75	100
12.	DSW21	3	Social Work practice with Communities	25	75	100
13.	DSW 22	3	Social Work Research and Statistics	25	75	100
14.	DSW 23	3	Social Welfare Administration	25	75	100
15.		6	Concurrent Field Work-II	40	60	100
16.	DFS20	2	*Field Study	100	-	100
ELECTIVE (To choose 1 out of 3)						
17.	DESW 24A	3	Psychology for Social Work practice	25	75	100
18.	DESW 24B	3	Human Growth and Personality Development	25	75	100
19.	DESW 24C	3	Perspectives in Psychology	25	75	100
NON MAJOR ELECTIVE (To choose 1 out of 3)						
20.	DNSW25A	3	Theory and practice in counselling	25	75	100
21.	DNSW25B	3	Peace building and conflict mitigation	25	75	100
22.	DNSW25C	3	Personal and Professional Development	25	75	100

THIRUVALLUVAR UNIVERSITY
MASTER OF BUSINESS ADMINISTRATION (M.B.A)
(With effect from 2020 – 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
I YEAR (II SEMESTER)						
1.	DBA11	4	Management Principles	25	75	100
2.	DBA12	4	Accounting for Managers	25	75	100
3.	DBA13	4	Managerial Economics	25	75	100
4.	DBA14	4	Research Methodology	25	75	100
ELECTIVE (To choose 1 out of 3)						
5.	DEBA15A	3	Business Communication	25	75	100
6.	DEBA15B	3	Organizational Behavior	25	75	100
7.	DEBA15C	3	Knowledge Management	25	75	100
NON MAJOR ELECTIVE (To choose 1 out of 3)						
8.	DNBA16A	3	Communication Skills for Managers	25	75	100
9.	DNBA16B	3	Compensation management	25	75	100
10.	DNBA16C	3	Operation Research	25	75	100
I YEAR (II SEMESTER)						
11.	DHR20	2	Human Rights	25	75	100
12.	DBA21	4	Human Resource management	25	75	100
13.	DBA22	4	Financial Management	25	75	100
14.	DBA23	4	Marketing Management	25	75	100
15.	DFS20	2	*Field Study	100	-	100
ELECTIVE (To choose 1 out of 3)						
16.	DEBA24A	3	Operations Management	25	75	100
17.	DEBA24B	3	Customer Relationship Management	25	75	100
18.	DEBA24C	3	International Finance	25	75	100
NON MAJOR ELECTIVE (To choose 1 out of 3)						
19.	DNBA25A	3	Industrial and Labour Relations	25	75	100
20.	DNBA25B	3	Consumer Behaviour	25	75	100
21.	DNBA25C	3	Securities Analysis and Portfolio Management	25	75	100

**THIRUVALLUVAR UNIVERSITY
CHOICE BASED CREDIT SYSTEM (CBCS)
Master of Arts (M.A (HRM))**
(Effective from the Academic year 2020-2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
			SEMESTER I			
1.	DHR11	4	Management Principles	25	75	100
2.	DHR12	4	Accounting for Managers	25	75	100
3.	DHR13	4	Managerial Economics	25	75	100
4.	DHR14	4	Business Statistics	25	75	100
			Core Elective - Elective for same major students (To choose 1 out of 3)			
5.	DEHR15A	3	Business Communication	25	75	100
6.	DEHR15B	3	Organizational Behavior	25	75	100
7.	DEHR15C	3	Knowledge Management	25	75	100
			Open Elective -Elective for other major students (Inter/multi disciplinary papers) (To choose 1 out of 3)			
8.	DNHR16A	3	Communication Skills for Managers	25	75	100
9.	DNHR16B	3	Compensation management	25	75	100
10.	DNHR16C	3	Finance for Managers	25	75	100
			SEMESTER II			
11.	DHR21	4	Human Resource management	25	75	100
12.	DHR22	4	Labour and Social Security Laws	25	75	100
13.	DHR23	4	Management of Human Capital	25	75	100
14.	DFS20	2	*Field Study	100	-	100
			Internal Elective for same major students (To choose 1 out of 3)			
15.	DEHR24A	3	Learning and Development	25	75	100
16.	DEHR24B	3	Management of Industrial Relations	25	75	100
17.	DEHR24C	3	Negotiations and Union Management Relations	25	75	100
			External Elective for other major students (Inter/multi disciplinary papers) (To choose 1 out of 3)			
18.	DNHR25A	3	Industrial and Labour Relations	25	75	100
19.	DNHR25B	3	Social Research Methods	25	75	100
20.	DNHR25C	3	International Human Resource Management	25	75	100
			Compulsory Paper			
21.	DHR20	2	Human Rights	25	75	100

THIRUVALLUVAR UNIVERSITY

MASTER OF SCIENCE

M.Sc. Mathematics

DEGREE COURSE

UNDER CBCS

(With effect from 2020-2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
			SEMESTER I			
1.	DMA11	5	Algebra-I	25	75	100
2.	DMA12	5	Real Analysis –I	25	75	100
3.	DMA13	4	Ordinary Differential Equations	25	75	100
			Core Elective - Elective for same major students (To choose 1 out of 3)			
4.	DEMA14A	3	Probability Theory	25	75	100
5.	DEMA14B	3	Mechanics	25	75	100
6.	DEMA14C	3	Graph Theory	25	75	100
			Open Elective -Elective for other major students (Inter/multi disciplinary papers) (To choose 1 out of 3)			
7.	DNMA15A	3	Basic Mathematics	25	75	100
8.	DNHR15B	3	Mathematical Foundations	25	75	100
9.	DNHR15C	3	Mathematical Modeling	25	75	100
			SEMESTER II			
10.	DMA21	5	Algebra-II	25	75	100
11.	DMA22	5	Real Analysis –II	25	75	100
12.	DMA23	4	Partial Differential Equations	25	75	100
13.	DFS20	2	*Field Study	100	-	100
			Internal Elective for same major students (To choose 1 out of 3)			
14.	DEMA24A	3	Mathematical Statistics	25	75	100
15.	DEMA24B	3	Fuzzy Set Theory	25	75	100
16.	DEMA24C	3	Difference Equations	25	75	100
			External Elective for other major students (Inter/multi disciplinary papers) (To choose 1 out of 3)			
17.	DNMA25A	3	Fundamentals of Insurance	25	75	100
18.	DNMA25B	3	Numerical Methods	25	75	100
19.	DNMA25C	3	Fundamentals of Business Statistics	25	75	100
			Compulsory Paper			
20.	DHR20	2	Human Rights	25	75	100

THIRUVALLUVAR UNIVERSITY
MASTER OF COMPUTER APPLICATION
CBCS PATTERN
(With effect from 2020 - 2021)

S.No.	Paper Code	Credit	Title of the Paper	Int. Marks	Ext. Marks	Total
			SEMESTER I			
1.	DCA11	3	Programming in C	25	75	100
2.	DCA12	3	Web Design	25	75	100
3.	DCA13	3	Data Structures	25	75	100
4.	DPCA14	2	Practical 1: Programming in C	25	75	100
5.	DPCA15	2	Practical 2: Web Design	25	75	100
6.	DPCA16	2	Practical 3: Data Structures using C	25	75	100
			Core Elective - Elective for same major students (To choose 1 out of 3)			
7.	DECA17A	3	Digital Logic Fundamentals	25	75	100
8.	DECA17B	3	Computer Organization and Architecture	25	75	100
9.	DECA17C	3	Fundamentals of Microprocessors	25	75	100
			Open Elective -Elective for other major students (Inter/multi disciplinary papers) (To choose 1 out of 3)			
10.	DNCA18A	3	E-Commerce	25	75	100
11.	DNCA18B	3	Introduction to Computer Application	25	75	100
12.	DNCA18C	3	Principles of Internet	25	75	100
			SEMESTER II			
13.	DCA21	3	Programming with Java	25	75	100
14.	DCA22	3	Relational Database Management System	25	75	100
15.	DCA23	3	Open Source Technologies	25	75	100
16.	DPCA24	2	Practical 4: Programming with Java	25	75	100
17.	DPCA25	2	Practical 5: Relational Database Management System	25	75	100
18.	DPCA26	2	Practical 6: Open Source Technologies	25	75	100
19.	DFS20	2	*Field Study	100	-	100
			Internal Elective for same major students (To choose 1 out of 3)			
20.	DCA27A	3	Operation Research	25	75	100
21.	DCA27B	3	Graph Theory	25	75	100
22.	DCA27C	3	Discrete Mathematics	25	75	100
			External Elective for other major students (Inter/multi disciplinary papers) (To choose 1 out of 3)			
23.	DNCA28A	3	Problem Solving Techniques	25	75	100
24.	DNCA28B	3	Open Source Software	25	75	100
25.	DNCA28C	3	Principal of Web Design	25	75	100

			Compulsory Paper				
26.	DHR20	2		Human Rights	25	75	100