

	DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) (Affiliated to Bharathidasan University, Tiruchirappalli) (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur – 621212	
NAAC	CRITERIA – I	METRIC 1.1.2

	Application Oriented Course - II	Advanced Dietetics	20PBC2A2	3	3	3	25	75	100
	TOTAL			30	23	-	165	435	600
II Year III Semester	Core Course - IX	Advanced Immunology	20PBC3C9	6	6	3	25	75	100
	Core Course - X	Clinical Biochemistry	20PBC3C10	6	5	3	25	75	100
	Core Course- XI	Plant and animal Biotechnology	20PBC3C11	5	5	3	25	75	100
	Core Practical - XII	Lab in Immunology Clinical biochemistry Plant & Animal Biotechnology	20PBC2C12P	8	4	6	40	60	100
	Elective-III	Endocrinology	20PBC3E3A	5	4	3	25	75	100
	TOTAL			30	24	-	140	360	500
II Year IV Semester		Microbial & Industrial Biotechnology	20PBC3E3B						
	Core Course -XIII	Genetic Engineering	20PBC4C13	6	5	3	25	75	100
		Project	20PBC4PW	24	15	3	50	150	200
	TOTAL			30	20	-	25	75	300
	GRANDTOTAL			120	90		495	1305	2000




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NAAC	CRITERIA – I	METRIC 1.1.2

	Application oriented course–II	Pharmaceutical Biotechnology	20PBT2A2	3	3	3	40	75	100
TOTAL				30	23				600
II Year III Semester	Core Course - IX	Animal Biotechnology	20PBT3C9	6	6	3	25	75	100
	Core Course - X	Plant Biotechnology	20PBT3C10	6	5	3	25	75	100
	Core Course - XI	Bioprocess Technology	20PBT3C11	5	5	3	25	75	100
	Core Course - XII	Lab in Animal Biotechnology, Plant Biotechnology and Bioprocess Technology.	20PBT3C12P	8	4	6	40	60	100
	Elective Course - III	A) Immunotechnology	20PBT3E3A	5	4	3	25	75	100
		B) Marine Biotechnology	20PBT3E3B						
TOTAL				30	24				500
II Year IV Semester	Core course XIII	Basics of Research and Entrepreneurship	20PBT4C13	6	5	3	25	75	100
	Project	Project work	20PBT4PW	24	15				200
		Total		30	20				300
GRANDTOTAL				120	90				2000





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NAAC	CRITERIA – I	METRIC 1.1.2

M.B.A.

Year /Sem	Course	Course Title	Course Code	Ins. Prd/ Week	Credit	Exam Hrs	Marks		Total
							IA	UE	
I Year I Semester	Core Course - I	Management Concepts	20PBA1C1	5	5	3	25	75	100
	Core Course - II	Organizational Behavior	20PBA1C2	5	5	3	25	75	100
	Core Course - III	Accounting for Managerial Decision	20PBA1C3	5	5	3	25	75	100
	Core Course - IV	Mathematics and Statistics	20PBA1C4	5	5	3	25	75	100
	Core Course -V	Managerial Communication	20PBA1C5	4	4	3	25	75	100
	Core Course -VI	Human Resource Management	20PBA1C6	4	4	3	25	75	100
	Application Oriented Course – I	IT Skills for Managers	20PBA1A1	2	2	3	25	75	100
	TOTAL			30	30	-	175	525	700
I year II Semester	Core Course - VII	Managerial Economics	20PBA2C7	5	5	3	25	75	100
	Core Course – VIII	Production management	20PBA2C8	5	5	3	25	75	100
	Core Course- IX	Financial Management	20PBA2C9	5	4	3	25	75	100
	Core Course - X	Business Research	20PBA2C10	5	4	3	25	75	100
	Core Course - XI	Operation Research	20PBA2C11	4	4	3	25	75	100
	Core Course - XII	Marketing Management	20PBA2C12	4	4	3	25	75	100
	Application Oriented Course – II	Advanced Spread Sheet Application For Manager Lab	20PBA2A2	2	2	3	25	75	100

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NAAC	CRITERIA – I	METRIC 1.1.2

	Internship	Internship training		2					
	TOTAL			30	30	-	175	525	700
II year III Semester	Core Course - XIII	Strategic Management	20PBA3C13	6	5	3	25	75	100
	Core Course - XIV	Legal aspects of Business	20PBA3C14	6	5	3	25	75	100
	ELECTIVES	Specialisation (major)	20PBA3.....	4	4	3	25	75	100
		Specialisation (major)	20PBA3.....	4	4	3	25	75	100
		Specialisation (minor)	20PBA3.....	4	4	3	25	75	100
		Specialisation (minor)	20PBA3.....	4	4	3	25	75	100
	Soft Skill	Managerial Effectiveness	20PBA3SS1	2	2	3	25	75	100
	TOTAL			30	28	-	175	525	700
II Year IV Semester	Core Course – XV	Entrepreneurial Development & International Business	20PBA4C15	6	5	3	25	75	100
	Core Course – XVI	Total Quality Management	20PBA4C16	6	5	3	25	75	100
	ELECTIVES	Specialisation (major)	20PBA4.....	4	4	3	25	75	100
		Specialisation (major)	20PBA4.....	4	4	3	25	75	100
		Specialisation (minor)	20PBA4.....	4	4	3	25	75	100
		Specialisation (minor)	20PBA4.....	4	4	3	25	75	100
	Project	Project	20PBA4PW	2	6	-			100
	TOTAL			30	32		150	450	700
	GRAND TOTAL			120	120		675	2025	2800

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NAAC	CRITERIA – I	METRIC 1.1.2



List of Electives for MBA Program

Each student has to opt for Dual specialization from the following functional areas:

- a) Financial Management
- b) Human Resource Management
- c) Marketing Management
- d) Systems
- E) Operations Management

The student has to choose two electives from each of the functional areas in third and fourth semester as per the following list.

Year / Sem	Course	Course Title	Course Code	Ins. Prd/ Week	Credit	Exam Hrs	Marks		Total
							IA	UE	
A : FINANCE									
II year III Semester	Elective Course – I	Security Analysis and Portfolio Management	20PBA3EF1	4	4	3	25	75	100
	Elective Course – II	Financial modelling using Excel	20PBA3EF2	4	4	3	25	75	100
	Elective Course – III	Strategic Financial Management	20PBA3EF3	4	4	3	25	75	100
II Year IV Semester	Elective Course – IV	Merger & Acquisition	20PBA4EF4	4	4	3	25	75	100
	Elective Course – V	Investment Management	20PBA4EF5	4	4	3	25	75	100
	Elective Course –V I	International Financial Management	20PBA4EF6	4	4	3	25	75	100
B : HUMAN RESOURCE MANAGEMENT									
II year III Semester	Elective Course – I	Human Resource Development	20PBA3EH1	4	4	3	25	75	100
	Elective Course – II	Organization change and development	20PBA3EH2	4	4	3	25	75	100

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NAAC	CRITERIA – I	METRIC 1.1.2


	Elective Course – III	Conflict and Negotiation Management	20PBA3EH3	4	4	3	25	75	100
II year IV Semester	Elective Course – IV	Compensation management	20PBA4EH4	4	4	3	25	75	100
	Elective Course – V	Performance management	20PBA4EH5	4	4	3	25	75	100
	Elective Course – VI	Employee empowerment & Engagement	20PBA4EH6	4	4	3	25	75	100
C : MARKETING									
II year III Semester	Elective Course – I	Digital Marketing	20PBA3EM1	4	4	3	25	75	100
	Elective Course – II	Promotional management	20PBA3EM2	4	4	3	25	75	100
	Elective Course –III	Consumer Behavior	20PBA3EM3	4	4	3	25	75	100
II year IV Semester	Elective Course – IV	Marketing Analytics	20PBA4EM4	4	4	3	25	75	100
	Elective Course – V	Leading social Enterprise	20PBA4EM5	4	4	3	25	75	100
	Elective Course –VI	Brand Management	20PBA4EM6	4	4	3	25	75	100
D : SYSTEMS									
II year II Semester	Elective Course – I	Software Engineering	20PBA3ES1	4	4	3	25	75	100
	Elective Course – II	Business Analytics And Business Intelligence	20PBA3ES2	4	4	3	25	75	100
	Elective Course –III	Software Project Management	20PBA3ES3	4	4	3	25	75	100
II year IV Semester	Elective Course – IV	Relational database management	20PBA4ES4	4	4	3	25	75	100
	Elective Course – V	Principles of Deep Learning	20PBA4ES5	4	4	3	25	75	100
	Elective Course –VI	Data Mining & Data Warehousing	20PBA4EF6	4	4	3	25	75	100
E : OPERATIONS									
I year III Semester	Elective Course – I	Logistics And Supply Chain	20PBA3EO1	4	4	3	25	75	100

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NAAC	CRITERIA – I	METRIC 1.1.2

		Management							
	Elective Course – II	Advance Operation Research	20PBA3EO2	4	4	3	25	75	100
	Elective Course – III	Operations and production management	20PBA3EO3	4	4	3	25	75	100
II year III Semester	Elective Course – IV	Material Management	20PBA4EO4	4	4	3	25	75	100
	Elective Course – V	Lean Manufacturing	20PBA4EO5	4	4	3	25	75	100
	Elective Course – VI	World Class Manufacturing	20PBA4EO6	4	4	3	25	75	100






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NAAC	CRITERIA – I	METRIC 1.1.2

M.Sc., CHEMISTRY

Year/ Sem	Course	Course Title	Course Code	Ins. Prd/ Week	Credit	Exam Hrs	Marks		Total
							IA	UE	
I year I Semester	Core Course – I	Inorganic Chemistry - I	20PCH1C1	5	4	3	25	75	100
	Core Course – II	Organic Chemistry - I	20PCH1C2	5	4	3	25	75	100
	Core Course – III	Inorganic Chemistry Practical - I	20PCH1C3P	6	4	6	40	60	100
	Core Course - IV	Organic Chemistry Practical - I	20PCH1C4P	6	4	6	40	60	100
	Elective Course – I	A) Analytical Chemistry	20PCH1E1A	5	4	3	25	75	100
		B) Material Chemistry	20PCH1E1B						
	Application Oriented Course - I	Detergents and Fuels	20PCH1A1	3	3	3	25	75	100
			Total	30	23	-	180	420	600
I year II Semester	Core Course –V	Inorganic Chemistry - II	20PCH2C5	5	4	3	25	75	100
	Core Course –VI	Organic Chemistry – II	20PCH2C6	5	4	3	25	75	100
	Core Course –VII	Inorganic Chemistry Practical - II	20PCH2C7P	6	4	6	40	60	100
	Core Course –VIII	Organic Chemistry Practical –II	20PCH2C8P	6	4	6	40	60	100
	Elective Course -II	A) Supramolecular Chemistry	20PCH2E2A	5	4	3	25	75	100
		B) Industrial Chemistry	20PCH2E2B						
	Application Oriented Course-II	Food and Drugs	20PCH2A2	3	3	3	25	75	100
			Total	30	23	-	180	420	600
II year III Semester	Core Course –IX	Physical Methods in Chemistry	20PCH3C9	6	5	3	25	75	100
	Core Course	Bio-organic	20PCH3C10	6	5	3	25	75	100

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	–X	Chemistry							
	Core Course –XI	Physical Chemistry -I	20PCH3C11	6	5	3	25	75	100
	Core Course-XII	Physical Chemistry Practical	20PCH3C12P	7	5	6	40	60	100
	Elective Course–III	a) Polymer chemistry	20PCH3E3A	5	4	3	25	75	100
b)Chemistry of Nano science and Nano Technology		20PCH3E3B							
			Total	30	24	-	140	360	500
II year IV Semeste	Core Course –XIII	Physical Chemistry -II	20PCH4C13	6	5	3	25	75	100
	Project	Project Work	20PCH4PW	24	15	-	-	-	200
Total				30	20	-	25	75	300
Grand Total				120	90	-	525	1275	2000




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M.Com.

Year/ Sem	Course	Course Title	Course Code	Ins. Prd/ Week	Credit	Exam Hrs	Marks		Total
							IA	UE	
I Year I Semester	Core Course-I	Managerial Economics	20PCO1C1	6	5	3	25	75	100
	Core Course – II	Advanced Financial Management	20PCO1C2	6	5	3	25	75	100
	Core Course – III	Indian Financial System	20PCO1C3	6	5	3	25	75	100
	Elective Course – I	A. Entrepreneurial Development	20PCO1E1A	6	4	3	25	75	100
		B. Service Marketing	20PCO1E1B						
	Application Oriented Course - I	Accounting Package (with Practical)	20PCO1A1T 20PCO1A1P	6	2+1	2+2	25	75	100
TOTAL				30	22				500
I Year II Semester	Core Course-IV	Research Methodology	20PCO2C4	6	5	3	25	75	100
	Core Course-V	Quantitative Techniques for Business Decisions	20PCO2C5	6	5	3	25	75	100
	Core Course -VI	Strategic Management	20PCO2C6	6	5	3	25	75	100
	Elective Course – II	A. Human Resource Management	20PCO2E2A	6	4	3	25	75	100
		B. Tourism Development	20PCO2E2B						
	Application Oriented Course - II	Internet (with practical)	20PCO2A2T 20PCO2A2P	6	2+1	2+2	25	75	100
TOTAL				30	22				500
II Year III Semester	Core Course –VII	Advanced Corporate Accounting	20PCO3C7	6	5	3	25	75	100
	Core Course –VIII	Organizational Behavior	20PCO3C8	6	5	3	25	75	100
	Core Course - IX	Goods and Services Tax	20PCO3C9	6	4	3	25	75	100

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NAAC	CRITERIA – I	METRIC 1.1.2

	Core Course - X	Corporate Laws	20PCO3C10	6	4	3	25	75	100
	Elective Course – III	A. Insurance Management	20PCO3E3A	6	4	3	25	75	100
		B. Retail Management	20PCO3E3B						
TOTAL				30	22				500
II Year IV Semester	Core Course – XI	Industrial Relations	20PCO4C11	6	5	3	25	75	100
	Core Course - XII	Cost and Management Accounting	20PCO4C12	6	5	3	25	75	100
	Core Course - XIII	Investment Management	20PCO4C13	6	5	3	25	75	100
	Elective Course–IV	A. Customer Relationship Management	20PCO4E4A	6	4	3	25	75	100
		B. Sales Management	20PCO4E4B						
	Project	Project Work Dissertation (80 marks)Viva voce (20marks)	20PCO4PW	6	5				100
TOTAL				30	24				500
GRANDTOTAL				120	90				2000





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M.Com., CA


Year/ Sem	Course	Course Title	Course Code	Ins. Prd/ Week	Credit	Exam Hrs	Marks		Total
							IA	UE	
I Year I Semester	Core Course- I	Managerial Economics	20PCOA1C1	6	5	3	25	75	100
	Core Course-II	RDBMS	20PCOA1C2	6	5	3	25	75	100
	Core Course-III	Management Information System	20PCOA1C3	6	5	3	25	75	100
	Elective Course- I	A. Entrepreneurial Development	20PCOA1E1A	6	4	3	25	75	100
		B. Service Marketing	20PCOA1E1B						
	Application Oriented Course - I	Accounting Package with Practical	20PCOA1A1T 20PCOA1A1P	6	2+1	2+2	25	75	100
TOTAL				30	22				500
I Year II Semester	Core Course-IV	Research Methodology	20PCOA2C4	6	5	3	25	75	100
	Core Course-V	Quantitative Techniques for Business Decisions	20PCOA2C5	6	5	3	25	75	100
	Core Course-VI	E- Commerce	20PCOA2C6	6	5	3	25	75	100
	Elective Course-II	A. Human Resource Management	20PCOA2E2A	6	4	3	25	75	100
		B. Tourism Development	20PCOA2E2B						
	Application Oriented Course- II	Internet with Practical	20PCOA2A2T 20PCOA2A2P	6	2+1	2+2	25	75	100
TOTAL				30	22				500
II Year III Semester	Core Course – VII	Advanced Corporate Accounting	20PCOA3C7	6	5	3	25	75	100
	Core Course – VIII	Page Maker With Practical	20PCOA3C8T 20PCOA3C8P	6	3+2	2+2	25	75	100
	Core Course – IX	Goods and services tax	20PCOA3C9	6	4	3	25	75	100
	Core Course – X	Scripting Languages	20PCOA3C10P 20PCOA3C10T	6	2+2	2+2	25	75	100
	Elective	A. Insurance Management	20PCOA3E3A	6	4	3	25	75	100

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	Course – III	B. Retail Management	20PCOA3E3B						
TOTAL				30	22				500
II Year IV Semester	Core Course – XI	Industrial Relations	20PCOA4C11	6	5	3	25	75	100
	Core Course – XII	Cost & Management Accounting	20PCOA4C12	6	5	3	25	75	100
	Core Course-XIII	Programming in C++ (with practical)	20PCOA4C13T 20PCOA4C13P	6	3+2	2+2	25	75	100
	Elective Course – IV	A. Customer Relationship	20PCOA4E4A	6	4	3	25	75	100
		B. Sales Management	20PCOA4E4B						
	Project	Project Work Dissertation (80 marks)Viva voce (20 marks)	20PCOA4PW	6	5				100
TOTAL				30	24				500
GRAND TOTAL				120	90				2000




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M.C.A.

Year/ Sem	Course	Course Title	Course Code	Ins. Prd/ Week	Credit	Exam Hrs	Marks		Total
							IA	UE	
I Year I Semester	Core Course –I	Programming in Java	20PCA1C1	5	4	3	25	75	100
	Core Course–II	Digital Computer Fundamentals	20PCA1C2	5	4	3	25	75	100
	Core Course– III	Operating Systems	20PCA1C3	4	4	3	25	75	100
	Core Course–IV	Java Programming Lab	20PCA1C4P	4	3	3	40	60	100
	Core Course–V	Operating System Lab	20PCA1C5P	4	3	3	40	60	100
	Elective Course-I	Computer Networks/Pervasive Computing/ Computer Simulation and Modeling	20PCA1E1A/ 20PCA1E1B/ 20PCA1E1C	4	4	3	25	75	100
	Application Oriented Course-I	Mathematical Foundation for Computer Applications	20PCA1A1	4	3	3	25	75	100
	TOTAL			30	25				700
I Year II Semester	Core Course –VI	Web Technologies	20PCA2C6	5	4	3	25	75	100
	Core Course –VII	Operation Research And Numerical Methods	20PCA2C7	5	4	3	25	75	100
	Core Course – VIII	Accounting & Financial Management	20PCA2C8	4	4	3	25	75	100
	Core Course - IX	Web Technologies Lab	20PCA2C9P	4	3	3	40	60	100
	Core Course – X	Accounting & Financial Management Lab	20PCA2C10P	4	3	3	40	60	100
	Elective Course – II	DataScience/Compilerdesign/Microprocessors,InterfacingandApplications	20PCA2E2A/ 20PCA2E2B/ 20PCA2E2C	4	4	3	25	75	100
	Application Oriented Course-II	Cyber Crime Technology	20PCA2A2	4	3	3	25	75	100

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NAAC	CRITERIA – I	METRIC 1.1.2

TOTAL				30	25				700
II Year III Semester	Core Course–XI	Python Programming	20PCA3C11	5	4	3	25	75	100
	Core Course - XII	Mobile Computing	20PCA3C12	5	4	3	25	75	100
	Core Course - XIII	Artificial Intelligence	20PCA3C13	5	4	3	25	75	100
	Core course - XIV	Python Programming Lab	20PCA3C14P	4	3	3	40	60	100
	Core Course - XV	Mobile Computing Lab	20PCA3C15P	4	3	3	40	60	100
	Elective Course - III	Digital Image Processing/ IoT/ Cloud Computing	20PCA3E3A /20PCA3E3B/ 20PCA3E3C	5	4	3	25	75	100
	Skill Development Course	Skill Development Course	20PCA3SD1	2	2	3	25	75	100
TOTAL				30	24				700
II Year IV Semester	Core Course	Project	20PCA4PW		16	-	-	-	100
TOTAL				-	16				100
GRANDTOTAL				90	90	-	-	-	2200






PRINCIPAL
 DHANALAKSHMI SRINIVASAN COLLEGE
 OF ARTS AND SCIENCE FOR WOMEN
 (AUTONOMOUS),
 PERAMBALUR - 621 212.

	DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) (Affiliated to Bharathidasan University, Tiruchirappalli) (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur – 621212	
NAAC	CRITERIA – I	METRIC 1.1.2

M.Sc., COMPUTER SCIENCE



Year/ Sem	Course	Course Title	Course Code	Ins. Prd/ Week	Credit	Exam Hrs	Marks		Total
							IA	UE	
I Year I Semester	Core Course - I	J2EE Technologies	20PCS1C1	6	5	3	25	75	100
	Core Course - II	J2EE Lab	20PCS1C2P	5	4	3	40	60	100
	Core Course - III	OOAD & UML	20PCS1C3	5	5	3	25	75	100
	Core Course - IV	Distributed Operating System	20PCS1C4	6	5	3	25	75	100
	Elective Course - I	Soft Computing	20PCS1E1A	5	3	3	25	75	100
		Mobile Communication	20PCS1E1B						
	Application Oriented Course - I	Grid Computing	20PCS1A1	3	3	3	25	75	100
TOTAL				30	25	-	165	435	600
I Year II Semester	Core Course - V	Cloud Computing	20PCS2C5	6	4	3	25	75	100
	Core Course - VI	XML and Web Services	20PCS2C6	5	4	3	25	75	100
	Core Course - VII	Open Source Web Development	20PCS2C7	6	4	3	25	75	100
	Core Course - VIII	Open Source Technology Lab	20PCS2C8P	5	3	3	40	60	100
	Elective Course - II	Advanced Software Engineering	20PCS2E2A	5	4	3	25	75	100
		Parallel Computing	20PCS2E2B						
	Application Oriented Course-II	XML & Web Services Lab	20PCS2A2P	3	3	3	40	60	100
TOTAL				30	22	-	180	420	600
II Year III Semester	Core Course - IX	Distributed Technologies	20PCS3C9	6	5	3	25	75	100
	Core Course - X	Distributed Technologies Lab	20PCS3C10P	6	4	3	40	60	100
	Core Course - XI	Data Mining and Warehousing	20PCS3C11	6	5	3	25	75	100

	DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) (Affiliated to Bharathidasan University, Tiruchirappalli) (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur – 621212	
NAAC	CRITERIA – I	METRIC 1.1.2

	Core Course - XII	Compiler Design	20PCS3C12	6	4	3	25	75	100
	Elective Course – II	Artificial Intelligence	20PCS3E3A	6	5	3	25	75	100
		Pervasive Computing	20PCS3E3B						
TOTAL				30	23		140	360	500
	Core Course – XIII	Big Data Analytics	20PCS4C13	6	5	3	25	75	100
	Core Course – XIV	Cyber Security	20PCS4C14	6	5	3	25	75	100
	Project	Project	20PCS4PW	18	10	-	-	-	100
TOTAL				30	20	-	50	150	300
GRAND TOTAL				120	90	-	535	1365	2000




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 DHANALAKSHMI SRINIVASAN COLLEGE
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 PERAMBALUR - 621 212.

	DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) (Affiliated to Bharathidasan University, Tiruchirappalli) (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur – 621212	
NAAC	CRITERIA – I	METRIC 1.1.2

M.A., ENGLISH

Year/ Sem	Course	Course Title	Course Code	Ins. Prd/ Week	Credit	Exam Hrs	Marks		Total
							IA	UE	
I Year I Semester	Core Course I	British Literature I	20PEN1C1	6	5	3	25	75	100
	Core Course II	Aspects of English Language and Literature	20PEN1C2	6	5	3	25	75	100
	Core Course III	Indian Writing in English	20PEN1C3	6	5	3	25	75	100
	Elective Course I	A. Grammar Rhetoric and Writing	20PEN1E1A	6	4	3	25	75	100
		B. World Classics in Translation	20PEN1E1B						
	Application Oriented Course I	Business English	20PEN1A1	6	3	3	25	75	100
TOTAL				30	22		125	375	500
I Year II Semester	Core Course IV	British Literature-II	20PEN2C4	6	5	3	25	75	100
	Core Course V	Shakespeare	20PEN2C5	6	5	3	25	75	100
	Core Course VI	Literary Criticism	20PEN2C6	6	5	3	25	75	100
	Elective Course II	A. Post Colonial Literature	20PEN2E2A	6	4	3	25	75	100
		B. Diasporic Literature	20PEN2E2B						
	Application Oriented Course I	Advanced Skills for Spoken Communication	20PEN2A2	6	3	3	25	75	100
TOTAL				30	22		125	375	500
II Year III Semester	Core Course VII	Theory of Comparative Literature and Classics in Translation	20PEN3C7	6	5	3	25	75	100
	Core Course	Literary Theory	20PEN3C8	6	5	3	25	75	100

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NAAC	CRITERIA – I	METRIC 1.1.2

	VIII	and Criticism							
	Core Course IX	American Literature	20PEN3C9	6	4	3	25	75	100
	Core Course X	Research Methodology	20PEN3C10	6	4	3	25	75	100
	Elective Course II	A. Feminist Writings in English	20PEN3E3A	6	4	3	25	75	100
		B. Creative Writings in English	20PEN3E3B						
TOTAL				30	22		125	375	500
II Year IV Semester	Core Course XI	New Literatures in English	20PEN4C11	6	5	3	25	75	100
	Core Course XII	Translation Theory and Practice	20PEN4C12	6	5	3	25	75	100
	Core Course XXI	Eco-Literature	20PEN4C13	6	5	3	25	75	100
	Elective Course IV	A. English literature for UGC Examination	20PEN4E4A	6	4	3	25	75	100
		B. English for Competitive Examination	20PEN4E4B						
		PROJECT	20PEN4PW	6	5	3	-	-	100
TOTAL				30	24		125	375	500
GRAND TOTAL				120	90		500	1500	2000





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 DHANALAKSHMI SRINIVASAN COLLEGE
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	DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) (Affiliated to Bharathidasan University, Tiruchirappalli) (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur – 621212	
NAAC	CRITERIA – I	METRIC 1.1.2

M.Sc., MATHEMATICS



Year/ Sem	Course	Course Title	Course Code	Ins. Prd/ Week	Credit	Exam Hrs	Marks		Total
							IA	UE	
I Year I Semester	Core Course – I	Abstract Algebra	20PMM1C1	6	5	3	25	75	100
	Core Course – II	Real Analysis	20PMM1C2	6	5	3	25	75	100
	Core course – III	Graph Theory	20PMM1C3	6	5	3	25	75	100
	Elective – I	Discrete Mathematics	20PMM1E1A	6	4	3	25	75	100
		Combinatorics	20PMM1E1B						
	Application Oriented Course-I	Ordinary Differential Equations	20PMM1A1	6	3	3	25	75	100
TOTAL				30	22		125	375	500
I Year II Semester	Core Course – IV	Linear Algebra	20PMM2C4	6	5	3	25	75	100
	Core Course – V	Complex Analysis	20PMM2C5	6	5	3	25	75	100
	Core Course – VI	Measure Theory And Integration	20PMM2C6	6	5	3	25	75	100
	Elective – II	Mathematical Modeling	20PMM2E2A	6	4	3	25	75	100
		Fluid Dynamics	20PMM2E2B						
	Application Oriented Course-II	Partial Differential Equations	20PMM2A2	6	3	3	25	75	100
TOTAL				30	22		125	375	500
II Year III Semester	Core Course – VII	Topology	20PMM3C7	6	5	3	25	75	100
	Core course – VIII	Numerical Analysis	20PMM3C8	6	5	3	25	75	100
	Core course – IX	Functional Analysis	20PMM3C9	6	4	3	25	75	100

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NAAC	CRITERIA – I	METRIC 1.1.2

	Core Course – X	Calculus of Variations, Transforms And Integral Equations	20PMM3C10	6	4	3	25	75	100
	Elective – III	Stochastics Processes	20PMM3E3A	6	4	3	25	75	100
		Optimization Techniques	20PMM3E3B						
	TOTAL				30	22		125	375
II Year IV Semester	Core Course – XI	Differential Geometry	20PMM4C11	6	5	3	25	75	100
	Core Course – XII	Classical Dynamics	20PMM4C12	6	5	3	25	75	100
	Core Course – XIII	Modern Probability Theory	20PMM4C13	6	5	3	25	75	100
	Elective – IV	Automata Theory	20PMM4E4A	6	4	3	25	75	100
		Fuzzy Mathematics	20PMM4E4B						
	Project work	Project Work	20PMM4PW	6	5	3	-	-	100
	TOTAL				30	24		100	300
GRAND TOTAL				120	90		475	1425	2000




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 DHANALAKSHMI SRINIVASAN COLLEGE
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 PERAMBALUR - 621 212.

	DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN (AUTONOMOUS) (Affiliated to Bharathidasan University, Tiruchirappalli) (Nationally Re-Accredited with 'A' Grade by NAAC) Perambalur – 621212	
NAAC	CRITERIA – I	METRIC 1.1.2

M.Sc., MICROBIOLOGY



Year/ Sem	Course	Course Title	Course Code	Ins. Prd/ Week	Credit	Exam Hrs	Marks		Total
							IA	UE	
I Year I Semester	Core Course - I	General Microbiology	20PMB1C1	6	5	3	25	75	100
	Core Course - II	Microbial Metabolism	20PMB1C2	5	4	3	25	75	100
	Core Course - III	Microbial Biochemistry	20PMB1C3	5	4	3	25	75	100
	Core Course - IV	Practical -I Pertaining CCI, CCII & CCIII	20PMB1C4P	6	3	6	40	60	100
	Elective Course - I	A) Biopharmaceuticals	20PMB1E1A	5	4	3	25	75	100
		B) Biosafety, Bioethics and IPR	20PMB1E1B						
	Application Oriented Course	Bioinstrumentation	20PMB1A1	3	3	3	25	75	100
	Total			30	23				600
I Year II Semester	Core Course - V	Advanced virology	20PMB2C5	6	5	3	25	75	100
	Core Course - VI	Microbial Genetics	20PMB2C6	5	4	3	25	75	100
	Core Course - VII	Environmental and Agricultural Microbiology	20PMB2C7	5	5	3	25	75	100
	Core Course - VIII	Practical - II Pertaining CCV,CCVI &CCVII	20PMB2C8P	6	3	6	40	60	100
	Elective Course - II	A) Advanced Molecular biology	20PMB2E2A	5	4	3	25	75	100
		B) Nanotechnology	20PMB2E2B						
	Application Oriented Course	Mushroom Technology	20PMB2A2	3	3	3	25	75	100
	Total			30	24				600
	Core Course - IX	Immunology and Medical	20PMB3C9	6	5	3	25	75	100

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NAAC	CRITERIA – I	METRIC 1.1.2

II year III Sem		Microbiology							
	Core Course - X	Food and Dairy Microbiology	20PMB3C10	5	4	3	25	75	100
	Core Course - XI	Recombinant DNA Technology	20PMB3C11	6	5	3	25	75	100
	Core Course - XII	Practical III- Pertaining CCIX, CCX & CCXI	20PMB3C12P	8	5	6	40	60	100
	Elective Course - III	A) Fermentation Technology	20PMB3E3A	5	4	3	25	75	100
		B) Marine Microbiology	20PMB3E3B						
	Total			30	23				500
Year IV Seme	Core Course - XIII	Research Methodology	20PMB4C13	6	5	3	25	75	100
		Project work	20PMB4PW	24	15	3			200
	Total			30	20				300
	Grand Total			120	90				2000






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 PERAMBALUR - 621 212.

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NAAC	CRITERIA – I	METRIC 1.1.2

M.Sc., PHYSICS



Year/ Sem	Course	Course Title	Course Code	Ins. Prd/ Week	Credit	Exam Hrs	Marks		Total
							IA	UE	
I Year I Semester	Core Course -I	Mathematical Physics	20PPH1C1	5	5	3	25	75	100
	Core Course- II	Classical Dynamics	20PPH1C2	5	4	3	25	75	100
	Core Course -III	Spectroscopy	20PPH1C3	5	4	3	25	75	100
	Core Course -IV	Physics Practical-I (General Practical)	20PPH1C4P	7	4	4	40	60	100
	Elective Course -I	Numerical Methods & "C" Programming	20PPH1E1A	5	4	3	25	75	100
		Electronic Devices and Circuits	20PPH1E1B						
	Application Oriented Course- I	Electronic Communication	20PPH1A1	3	3	3	25	75	100
Total				30	24	-	165	435	600
I Year II Semester	Core Course -V	Quantum Mechanics	20PPH2C5	5	4	3	25	75	100
	Core Course- VI	Electronics	20PPH2C6	5	4	3	25	75	100
	Core Course -VII	Statistical Mechanics	20PPH2C7	5	5	3	25	75	100
	Core Course VIII	Physics Practical-II (Microprocessor and C Programming)	20PPH2C8P	7	4	4	40	60	100
	Elective Course- II	Microprocessor and Communication Electronics	20PPH2E2A	5	4	3	25	75	100
		Condensed Matter Physics	20PPH2E2B						
	Application Oriented Course- II	Fiber optic Communication	20PPH2A2	3	3	3	25	75	100
TOTAL				30	24	-	165	435	600
III	Core Course	Electromagnetic	20PPH3C9	6	5	3	25	75	100

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NAAC	CRITERIA – I	METRIC 1.1.2

	-IX	Theory							
	Core Course -X	Solid State Physics	20PPH3C10	6	4	3	25	75	100
	Core Course -XI	Nuclear and Particle Physics	20PPH3C11	6	4	3	25	75	100
	Core Course -XII	Physics Practical-III(Advanced Electronics)	20PPH3C12P	7	5	4	40	60	100
	Elective Course -III	Crystal Growth and thin Film Physics	20PPH3E3A	5	4	3	25	75	100
		Nano science and Nano Technology	20PPH3E3B						
Total				30	22	-	140	360	500
II Year IV Semester	Core Course -XIII	Atomic and Molecular Physics	20PPH4C13	6	5	3	25	75	100
	Project work	Project Work	20PPH4PW	24	15	-	-	-	200
	Total				30	20	-	25	75
Grand Total				120	90	-	495	1305	2000




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NAAC	CRITERIA – I	METRIC 1.1.2

M.A., TAMIL

Year /Sem	Course	Course Title	Course Code	Ins. Prd/ Week	Credit	Exam Hrs	Marks		Total
							IA	UE	
I Year I Semester	Core Course – I	Ikkala Ilakkiyam I	20PTA1C1	6	5	3	25	75	100
	Core Course – II	Pakthi Ilakkiyam	20PTA1C2	6	5	3	25	75	100
	Core Course – III	Tholkappiyam Eluthathikaram	20PTA1C3	6	5	3	25	75	100
	Elective course- I	1.Tamil panpattu varalaru	20PTA1E1A	6	4	3	25	75	100
		2.Oodakaviyal	20PTA1E1B						
	Application Oriented Course-I	Kanini arimukamum payanpadukalum	20PTA1A1	6	3	3	25	75	100
TOTAL				30	22		125	375	500
I Year II Semester	Core Course – IV	Ikkala Ilakkiyam II	20PTA2C4	6	5	3	25	75	100
	Core Course – V	Tholkappiyam Sollathikaram	20PTA2C5	6	5	3	25	75	100
	Core Course – VI	Oppittu nokkil ulaka semozhikal	20PTA2C6	6	5	3	25	75	100
	Elective course- II	1.Aga ilakkiya kotpadugal	20PTA2E2A	6	4	3	25	75	100
		2.Tamiluku Kaniniyin payanpadu	20PTA2E2B						
	Application Oriented Course-II	Penniyam	20PTA2A2	6	3	3	25	75	100
TOTAL				30	22		125	375	500
II Year III Semester	Core Course – VII	Tholkappiyam – porulathikaram I	20PTA3C7	6	5	3	25	75	100
	Core Course – VIII	Aaraicchi nerimuraikal	20PTA3C8	6	5	3	25	75	100
	Core Course – IX	Palanthamil ilakkiyangal - Aagam	20PTA3C9	6	4	3	25	75	100

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NAAC	CRITERIA – I	METRIC 1.1.2

	Core Course – X	Oppilakkiyam	20PTA3C10	6	4	3	25	75	100
	Elective course- III	1.Makkal thagaval thodarbiyal	20PTA3E3A	6	4	3	25	75	100
		2. koiyirkalai	20PTA3E3B						
	TOTAL			30	22		125	375	500
II Year IV Semester	Core Course – XI	Nattuppuraviyal	20PTA4C11	6	5	3	25	75	100
	Core Course – XII	Palanthamil ilakkiyangal - Puram	20PTA4C12	6	5	3	25	75	100
	Core Course – XIII	Tholkappiyam – porulathikaram II	20PTA4C13	6	5	3	25	75	100
	Elective course - IV	1.Siddharilakkiyam	20PTA4E4A	6	4	3	25	75	100
		2.Mozhipeyarpial	20PTA4E4B						
	Project	Project	20PTA4PW	6	5	3			100
	TOTAL			30	24		100	300	500
	GRAND TOTAL			120	90		495	1505	2000




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