

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), Sivakasi

(Affiliated to Madurai Kamaraj University, Reaccredited with "A" Grade by NAAC, College with Potential for Excellence by UGC & Mentor Institution under UGC PARAMARSH)

NAAC SSR Cycle IV (2015-2020)

1.1. CURRICULUM DESIGN AND DEVELOPMENT

1.1.2. REVISION OF SYLLABUS

PERCENTAGE OF SYLLABUS REVISION 2020 AND LATER



THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI - 626 123.

(Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC, College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH)

DEPARTMENT OF MATHEMATICS

PERCENTAGE OF SYLLABUS REVISION

B.Sc. MATHEMATICS

JUNE 2020 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),

SIVAKASI.

DEPARTMENT OF MATHEMATICS B.SC MATHEMATICS – PROGRAMME CODE: BDMT

(For those who have joined in June 2020 and later)

S.No.	Components	Number of courses having changes			
1.	Part I	4			
2.	Part II	2			
3.	Part III 8				
4. Part IV		4			
	Total	18			

:40.9

Total Number of Courses having changes :18

:44

Percentage of Revision

D. Mulid Ce Signature of the HOD with Seal

Head of the Dept. of Mathematics, The Standard Fireworks Rajaratnam College for Women, Sivakasi.

alarees Principal

PRINCIPAL The Standard Fireworks Rajaratnam College for Women, SIVAKASI



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DEPARTMENT OF MATHEMATICS PERCENTAGE OF SYLLABUS REVISION

CENTAGE OF STELADOS REVISIO

B.Sc. MATHEMATICS

JUNE 2020 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),

SIVAKASI

DEPARTMENT OF MATHEMATICS

M.Sc Mathematics

Code: BDMT

June 2020 and later

S.No	Semester	Course Code	Course Title
1.	II	BDMT22	Numerical Methods
2.	III	BDMT31	Mechanics
3.	III	BDMT32	Differential Equations
4.	IV	BDMT4A	Programming in Python
5.	IV	BDMT4AL	Programming in Python Lab
6.	IV	BDMT4A1	Allied Mathematics II
7.	IV	BDMT4DSL	Mathematica & Maple Lab
8.	V	BDMT5V	Internship/ On -The Job Training
9.	VI	BDMT6L	R Language Lab

Signature of the HOD

Head of the Dept. of Mathematics, The Standard Fireworks Rajaratnam College for Women, Sivakasi. **F. Palencesci** Signature of the Principal PRINCIPAL The Standard Fireworks Rajaratnam College for Women, SIVAKASI



THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI – 626 123. (Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC,

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DEPARTMENT OF MATHEMATICS PERCENTAGE OF SYLLABUS REVISION B.Sc. MATHEMATICS

JUNE 2020 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI B.Sc. Mathematics -Allotment of Hours and Credits (For those who have joined in June 2020 and later) Semester Courses Total No. п ш IV VI I v of Credits Language Courses Part I – Tamil Part II - English 6(3) 6(3) 6(3) 6(3) 12 6(3) 6(3) 6(3) 6(3) 12 Part III – Major, Major elective and Allied Courses Course I 5(4) 4 (4) 6(6) 4(4) 6(5) 6(5) Theory Course II 5(4) 4 (4) 6(6) 4(3) 5(4) 5(4) Major Course III 6(5) Lab I 2(2) 2(2) Internship/ Practical On-The Job --(1) -Training Major Elective Theory Course I 6(5) 6(5) ----Course II 6(4) Theory 4 (4) 4(4) 4(4) 4(4) --Allied Practical (*) 2(2) 2(1)2(1)**Total No. of Credits** 12 14 17 12 21 21 97 Part-IV Ability Enhancement Courses Value Added Courses 2(2) 1) Environmental Studies 2) Value Education & Gender Studies 2(2) -**Non Major Elective Courses** i) NME I 2(2) ii) NME II 2(2) Skill Based Courses 1) Computer Literacy 2(2) 2) Discipline Specific Course 2(2) 3) Career Guidance 2(2) 4)Self Employment / Job Oriented 2(2) Courses - Theory 5) Self Employment / Job Oriented 2(2) . --_ Courses – Practical / Project Library and Information Science 1(*) 1(*) 4 18 Total 2 4 4 4 Part-V: Social Awareness Programme and Physical Education National Service Scheme / National Cadet Corps / Extension Activities / Youth Red Cross and Blood Donors 1(*) 1(1) 1 Club / Social Service League / Red Ribbon Club / Citizen Consumer Club / **Environment Club / Physical Education Total Credits** 140 Q- leul 1a. T-Palaneesui Head of the Department Principal The Standard Fireworks Rajaratnem Collego for Women, SIVAKASI



THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI – 626 123. (Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC,

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DEPARTMENT OF MATHEMATICS

PERCENTAGE OF SYLLABUS REVISION

B.Sc. MATHEMATICS

JUNE 2020 AND LATER

Int		IREWORKS RAJARATNAM COLLEGE F DEPARTMENT OF MATHE B.Sc. MATHEMATICS PROG (For those who have joined in 20 COME BASED EDUCATION WITH CHOIC PROGRAMME CODE - 1 PROGRAMME SCHE	MATICS GRAMME 20 and later CE BASED BDMT	.)			ARASI	
II					of s.)	Mai	rks Alle	otted
Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Internal	External	Total
Semester J	1							·
Part I	BDGT11/ BDGH11/ BDGF11	சங்க இலக்கியமும் உரைநடையும்/ Hindi Language Course – I/ French Language Course – I	6	3	3	40	60	100
Part II	BDGETI	English for Communication –I	6	3	3	40	60	100
	BDMT11 BDMT12	Major Courses Calculus and Trigonometry	5	4	3	40	60 60	100
Part III	BDM112	AG3D and Vector Calculus Allied Courses			3			100
	BDPH1A	Fundamental Physics	4	4	3	40	60	100
	-	Fundamental Physics Lab	2	-	-	-	-	-
Part IV	BDES11	Value Added Course Environmental Studies	2	2	2	40	60	100
Semester J	T	rota	30	20	-	-	-	600
Semester	BDGT21/	அறஇலக்கியமும்தன்முன்னேற்றக்						1
Part I		அற்துலக்காமருமதன்முன்னை நிர கட்டுரைகளும்/ Hindi Language Course -II /	6	3	3	40	60	100
	BDGH21/ BDGF21	French Language Course – II						
Part II	BDGE21	English for Communication –II	6	3	3	40	60	100
		Major Courses	4	4	3	40	60	100
	BDMT21 BDMT22	Theory of Equations Numerical Methods	4	4	3	40	60	100
Part III	BDM122	Allied Courses						
-	BDPH2A1	Digital Electronics	4	4	3	40	60	100
	BDPH2AL	Fundamental Physics Lab	2	2	3	50	50	100
Part IV	BDVG21	Value Added Course Value Education & General Studies Skill Based Course	2	2	2	40	60	100
	BDCL23	Introduction to Computers &MS office	2	2	2	40	60	100
Part V	BDSA2	Social Awareness Programme and Physical Education	-	1	-	-	-	-
		Total	30	25	-	-	-	800
Semester 1	BDGT31/	சமயஇலக்கியமும்நாடகமும்/						
Part I	BDGH31/ BDGF31	Hindi Language Course –III / French Language Course – III	6	3	3	40	60	100
Part II	BDGE31	English for Enrichment-I	6	3	3	40	60	100
	BDMT31	Major Courses Mechanics	6	6	3	40	60	100
Part III	BDMT32	Differential Equations	6	6	3	40	60	100
	BDMT3A	Allied Courses Programming in C& C++	4	4	3	40	60	100
	BDMT3AL	Programming in C& C++ Lab	2	1	3	50	50	100
		Tota	30	23	-	-	_	600



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DEPARTMENT OF MATHEMATICS PERCENTAGE OF SYLLABUS REVISION B.Sc. MATHEMATICS JUNE 2020 AND LATER

Part II BDGH41/ BDGF41/ BDGF41 Hindi Language Course - IV/ French Language Course - IV 6 3 5 40 60 10 Part II BDGF41 English for Enrichment-II 6 3 3 40 60 10 Part III BDMT41 Graph Theory 4 4 3 30 60 10 BDMT41 Graph Theory 4 4 3 30 60 10 BDMT42 Sequences and Series 4 4 3 30 60 10 BDMT41 Graph Theory 4 4 4 3 40 60 10 BDMT41 Programming in Python 4 4 4 3 40 60 10 BDMT41 Programming in Python 2 1 3 50 50 10 BDMT51 Mathematica & Maple Lab 2 2 3 50 50 10 BDMT51 Mathematica & Maple Lab 2 2									
BDGF41 French Language Course IV 0 3 5 10 00 10 Part II BDGE41 English for Enrichment-II 6 3 3 40 60 10 BDMT41 Graph Theory 4 4 3 30 60 10 BDMT42 Sequences and Series 4 3 3 40 60 10 BDMT42 Sequences and Series 4 3 3 40 60 10 BDMT4A Programming in Python 4 4 3 40 60 10 BDMT4DSL Non Major Elective Course 2 2 3 50 50 10 BDMT51 Mathematica & Maple Lab 2 2 3 40 60 10 BDMT51 Real Analysis 6 5 3 40 60 10 BDMT51 Major Courses 6 5 3 40 60 10 BDMT51	Part I			6	2	2	10	60	10
Part II BDGE41 English for Enrichment II 6 3 3 40 60 10 Part III BDMT41 Graph Theory 4 4 3 30 60 10 BDMT41 Graph Theory 4 4 3 30 60 10 BDMT42 Sequences and Series 4 4 3 30 60 10 BDMT44 Programming in PythonLab 2 1 3 50 50 10 BDMT41 Programming in PythonLab 2 1 3 40 60 10 BDMT42 Discipline Specific Course 2 2 2 3 50 50 10 Semester Major Courses 7 7 30 22 - - 8 BDMT51 Major Courses 6 5 3 40 60 10 BDMT51 Major Elective Course 2 2 3 40 60 10				0	3	3	40	60	10
BDMT41 Graph Theory 4 4 3 40 60 10 BDMT41 Graph Theory 4 4 3 3 40 60 10 BDMT4A Allied Courses 4 3 3 40 60 10 BDMT4A Programming in Python 4 4 4 3 40 60 10 BDMT4AL Programming in Python 4 4 4 3 40 60 10 BDMT4AL Programming in Python 2 2 2 40 60 10 BDMT5D Major Courses 2 2 2 3 50 50 10 Semester Major Courses 5 4 3 40 60 10 BDMT51 Real Analysis 6 5 3 40 60 10 BDMT51 Major Courses 2 2 3 50 50 10 BDMT52 <td>Part II</td> <td>And an and a second second second second</td> <td></td> <td>6</td> <td>2</td> <td>2</td> <td>10</td> <td></td> <td>10</td>	Part II	And an and a second second second second		6	2	2	10		10
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BDM14AL Programming in Python 2 1 3 50 50 10 Part IV Skill Based Course 2 2 2 40 60 10 Semester V Skill Based Course 2 2 2 3 50 50 10 Semester V Discipline Specific Course 2 2 2 3 50 50 10 Semester V Total 30 22 - - - 80 BDMT51 Major Courses 6 5 3 40 60 10 BDMT52 Modern Algebra 5 4 3 40 60 10 BDMT52 Modern Algebra 5 3 40 60 10 BDMT54 Major Elective Courses 6 5 3 40 60 10 BDMT552 Jbiscrete Mathematics/ 6 4 3 40 60 10 BDMT514 Modern Appl	i art m	DDMERAA		4	4	3	40	60	10
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Part IV Skill Based Course Discipline Specific Course Mathematica & Maje Lab 2 2 2 40 60 10 Semester V Discipline Specific Course Mathematica & Maje Lab 2 2 3 50 50 10 Semester V Total 30 22 - - - 80 BDMT51 Real Analysis 6 5 3 40 60 10 BDMT52 Modem Algebra 5 4 3 40 60 10 BDMT51 Real Analysis 6 5 3 40 60 10 BDMT51 Madior Courses 6 5 3 40 60 10 BDMT51 Mathematics/ BDMT52 Discrete Mathematics/ 6 4 3 40 60 10 BDMT5V Intenship/On -The Job Training - 1 - - 100 10 BDMT5V Intenship/On -The Job Training - 1 - - </td <td></td> <td>The second se</td> <td></td> <td></td> <td>and the second se</td> <td></td> <td></td> <td>60 60 60 60 60 50 50 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60</td> <td>.0170</td>		The second se			and the second se			60 60 60 60 60 50 50 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60	.0170
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BDMT4DSL Mathematica & Maple Lab Total 30 22 - - - 80 Semester V Part III BDMT51 Real Analysis 6 5 3 40 60 10 BDMT52 Modern Algebra 5 4 3 40 60 10 BDMT51 MATLAB 2 2 3 50 50 10 BDMT51 MATLAB 2 2 3 40 60 10 BDMT51 Major Elective Courses - - - 100 10 BDMT52/ Discrete Mathematics/ 6 4 3 40 60 100 BDMT51V Intenship/On -The Job Training - 1 - - 100 100 Part IV BDCG51 Skill Based Course 2 2 2 40 60 100 BDMT51 Career Guidance 1 - - - -	I art Iv			2	-		-		
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Semester V Major Courses Real Analysis 6 5 3 40 60 10 BDMT51 Real Analysis 6 5 3 40 60 10 BDMT52 Modern Algebra 5 4 3 40 60 10 BDMT51 MATLAB 2 2 3 50 50 10 BDMT51 MATLAB 2 2 3 50 50 10 BDMT51 Major Elective Courses 6 5 3 40 60 10 BDMT514 Modern Applied Algebra 6 4 3 40 60 100 BDMT554 Modern Applied Algebra 6 4 3 40 60 100 BDMT554 Modern Applied Algebra 6 4 3 40 60 100 BDMT554 Modern Applied Algebra 2 2 2 40 60 100 BDMT651 Career Guidance <		BDGH41/ Part II Hindi Language Course -IV/ BOGF41 6 3 3 Part II BDGE41 English for Enrichment-II 6 3 3 BDMT41 English for Enrichment-II 6 3 3 BDMT42 Sequences and Series 4 4 3 3 BDMT41 Oraph Theory 4 4 3 3 BDMT42 Sequences and Series 4 4 3 3 BDMT41 Programming in Python 4 4 4 3 3 BDMT41 Programming in PythonLab 2 1 3 3 BDMT41 Programming in PythonLab 2 1 3 3 BDMT51 Major Courses 2 2 2 3 BDMT51 Malor Courses 6 5 3 3 BDMT51 Malor Courses 6 5 4 3 3 BDMT52 Modern Algebra 5 4 3 3 BDMT52/ Modern Algebra 6 5 3 3 <td>-</td> <td></td> <td>-</td>	-		-				
BDMT51 Major Courses Real Analysis 6 5 3 40 60 10 BDMT52 Modern Algebra 5 4 3 40 60 10 BDMT51 MATLAB 2 2 3 50 50 10 BDMT51 MATLAB 2 2 3 40 60 10 BDMT51 MATLAB 2 2 3 50 50 10 BDMT51 Major Elective Courses 6 5 3 40 60 10 BDMT51 Discrete Mathematics/ BDMT54 Modern Applied Algebra 6 4 3 40 60 10 BDMT51 Modern Applied Algebra 6 4 3 40 60 10 BDMT51 Modern Applied Algebra 6 4 3 40 60 10 BDMT51 Skill Based Courses 2 2 2 40 60 10 BDMT61 Skill B	Comester	¥/	Total	30	22	-	-	-	80
BDMT51 Real Analysis 6 5 3 40 60 10 BDMT52 Modern Algebra 5 4 3 40 60 10 BDMT51 MATLAB 2 2 3 50 50 10 BDMT51 Linear Programming/ 6 5 3 40 60 10 BDMT5E2 Fourier Analysis 6 5 3 40 60 10 BDMT5E4 Modern Anglebra 6 4 3 40 60 10 BDMT5E4 Modern Anglebra 6 4 3 40 60 10 BDMT5E4 Modern Anglebra 6 4 3 40 60 10 BDMT51 Skill Based Course 2 2 2 40 60 10 BDMT51 Major Elective Course 2 2 2 40 60 10 BDMT61 Complex Analysis 6 5	semester	V							
BDMT52 Modern Algebra 5 4 3 40 60 10 BDMT5L MATLAB 2 2 3 50 50 10 BDMT5E1/ Linear Programming/ 6 5 3 40 60 10 BDMT5E2/ Discrete Mathematics/ 6 5 3 40 60 10 BDMT5E3/ Discrete Mathematics/ 6 4 3 40 60 10 BDMT5E3/ Discrete Mathematics/ 6 4 3 40 60 10 BDMT5V Internship/On -The Job Training - 1 - - 100 10 BDSN Non Major Elective Course 2 2 2 40 60 100 BDMT50 Library and Information Science 1 - - - - - - - - 80 Study tour/Field visit is mandatory for the course BDMT5E1 - Linear Programming - - - <		BDMT51		6	5	3	40	60	10
BDMT5L MATLAB 2 2 3 50 50 10 BDMT5E1/ BDMT5E2/ BDMT5E2/ BDMT5E3/ BDMT5E3/ BDMT5E4 Linear Programming/ Fourier Analysis 6 4 3 40 60 10 BDMT5E3/ BDMT5E4 Discrete Mathematics/ BDMT5E4 Discrete Mathematics/ BDMT5E4 6 4 3 40 60 10 BDMT5E4 Modern Apolied Algebra BDMT5E4 Boderne Apolied Algebra BDMT5E4 6 4 3 40 60 100 BDMT5E4 Modern Apolied Algebra BDMT5V Intenship/On -The Job Training - 1 - - 100 100 BDC51 Skill Based Course Career Guidance 2 2 2 40 60 100 - Library and Information Science 1 - - - - - - - - - - - - - - - - - - - - - - - - - - -		the second se		5	4	3	40	60	10
Major Elective Courses 2 3 50 50 10 BDMT5E1/ BDMT5E2 Fourier Analysis 6 5 3 40 60 10 BDMT5E2/ BDMT5E3/ BDMT5E4 Discrete Mathematics/ BDMT5E4 6 4 3 40 60 10 BDMT5E4 Modern Applied Algobra BDMT5V Internship/On -The Job Training - 1 - - 100 10 BDCG51 Skill Based Course Career Guidance 2 2 2 40 60 100 BDCG51 Skill Based Course Career Guidance 2 2 2 40 60 100 BDSN Non Major Elective Course 2 2 2 40 60 100 - Library and Information Science 1 - - - - - - - - - - - - - - - - - - - - - - - - -		BDMT5L	0						-
BDMT5E1/ BDMT5E2/ BDMT5E2/ BDMT5E3/ BDMT5E4 Linear Programming/ Fourier Analysis 6 5 3 40 60 10 BDMT5E2/ BDMT5E4 Discrete Mathematics/ Modern Applied Aleabre 6 4 3 40 60 10 BDMT5E4/ BDMT5E4 Modern Applied Aleabre 6 4 3 40 60 10 BDMT5E4 Modern Applied Aleabre 6 4 3 40 60 10 BDCG51 Skill Based Course Career Guidance 2 2 2 40 60 100 BDSN Non Major Elective Course 2 2 2 40 60 100 - Library and Information Science 1 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -		DDIIIOD			2	3	50	50	10
BDMT5E2 Fourier Analysis 0 5 5 40 60 10 BDMT5E3/ BDMT5E4 Discrete Mathematics/ BDMT5V Discrete Mathematics/ Internship/On -The Job Training 6 4 3 40 60 10 BDMT5V Internship/On -The Job Training - 1 - - 100 10 BDCG51 Skill Based Course Career Guidance 2 2 2 40 60 10 BDCG51 Skill Based Course Career Guidance 2 2 2 40 60 100 - Library and Information Science 1 - - - - - - 800 Study tour/Field visit is mandatory for the courses BDMT5E1 - Linear Programming - - - 800 100 BDMT62 Linear Algebra 5 4 3 40 60 100 BDMT61 Major Courses Complex Analysis 6 5 3 40 60 100 BDMT62 Linear Algebra	Part III	BDMT5E1/				2	40	60	10
BDMT5E3/ BDMT5E4 Discrete Mathematics/ Modern Applied Algebra 6 4 3 40 60 10 BDMT5E4 Modern Applied Algebra 6 4 3 40 60 10 BDMT5E4 Internship/On - The Job Training - 1 - - 100 10 BDCG51 Skill Based Course Career Guidance 2 2 2 40 60 10 BDT5V Non Major Elective Course Career Guidance 2 2 2 40 60 10 BDT61 Skill Based Course Career Guidance 7 Total 30 25 - - - 80 Study tour/Field visit is mandatory for the course BDMT5E1-Linear Programming Semester V Non Player 80 60 100 BDMT61 Major Courses Complex Analysis 6 5 3 40 60 100 BDMT61 Reary and Informations Research / Automata and BDMT62 6 5 3 40 60 100 BDMT62<				0		3	40	60	10
BDMT52 Major Applied Algebra Image and applied Algebra <thimage algebra<<="" and="" applied="" td=""><td>BDMT5E3/</td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></thimage>		BDMT5E3/							-
BDCG51 Skill Based Course Career Guidance 2 2 2 40 60 100 BD5N Non Major Elective Course 2 2 2 40 60 100 BD5N Non Major Elective Course 2 2 2 40 60 100 - Library and Information Science 1 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 800 Study tour/Field visit is mandatory for the course BDMT5E1 -Linear Programming - - - - 800 100 - - - - - - - - - - - - - - - - - - - - - - -		BDMT5E4	Modern Applied Algebra	6	4	3	40	60	10
BDCG51 Career Guidance 2 2 2 40 60 100 BD5N Non Major Elective Course 2 2 2 40 60 100 - Library and Information Science 1 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 800 Semester VI Semester VI - - - - - - - - - 800 100 - - - - - - - - - - - - - - - - - - - - - - - -		BDMT52Modern Algebra54340BDMT51MATLAB22350Major Elective Courses22350BDMT5E1/ BDMT5E2Fourier Analysis65340BDMT5E2/ BDMT5E3/Discrete Mathematics/ Modern Applied Algebra64340BDMT5E3/ BDMT5E4Discrete Mathematics/ Career Guidance64340BDMT5E4Modern Applied Algebra64340BDMT554Skill Based Course Career Guidance22240BD5NNon Major Elective Course22240-Library and Information Science1	100	10					
BD5N Non Major Elective Course 2 2 40 60 100 - Library and Information Science 1 - - - - - - - - - - - - - - - - - - - - - - - - 800 Study tour/Field visit is mandatory for the course BDMT5E1 –Linear Programming 25 - - - - 800 Semester VI BDMT61 Complex Analysis 6 5 3 40 60 100 BDMT62 Linear Algebra 5 4 3 40 60 100 BDMT63 Statistics 6 5 3 40 60 100 BDMT61 RLanguage Lab 2 2 3 50 50 100 BDMT61 Still Based Courses (open to all) Self Employment/ Job Oriented Courses 2 2		BDCG51		2	2	2	40	60	100
Index Index <th< td=""><td>Part IV</td><td>DIDEN</td><td></td><td></td><td></td><td></td><td>1 attenue</td><td>Construction of the local division of the lo</td><td>120000</td></th<>	Part IV	DIDEN					1 attenue	Construction of the local division of the lo	120000
Total 30 25 - - 800 Study tour/Field visit is mandatory for the course BDMT5E1 – Linear Programming 30 25 - - - 800 Semester VI		BD3N			2			00	100
Study tour/Field visit is mandatory for the course BDMT5E1 –Linear Programming Semester VI BDMT61 Courses BDMT61 Complex Analysis 6 5 3 40 60 BDMT61 Courses BDMT62 Linear Algebra 6 5 4 3 40 60 BDMT61 Courses BDMT62 Linear Algebra 6 5 4 3 40 60 BDMT61 Rear Algebra 6 5 3 40 60 BDMT61 RLanguage Lab 2 2 2 Major Elective Courses BDMT6E1/ Operations Research / Automata and FormalLanguages 6 5 3 40 60 Skill Based Courses (open to all) Self Employment/ Job Oriented Courses 2 2 2 2 2 2 2 2 2 2 2 BDJO <th colspan<="" td=""><td></td><td>-</td><td>-</td><td>nguage Course - IV 6 3 3 40 60 minguage Course - IV 6 3 3 40 60 or Enrichment-II 6 3 3 40 60 ourses 4 4 3 40 60 s and Series 4 3 3 40 60 ning in Python 4 4 3 40 60 ning in Python 4 4 3 40 60 or Elective Course 2 2 2 40 60 of Course 2 2 3 50 50 or Elective Course 2 2 3 50 50 cel Course 2 2 3 50 50 cel course 2 2 3 50 50 ourses 6 5 3 40 60 algebra 5 4 3 40 60 algebra 6 5 3 40 60 <td< td=""><td>-</td></td<></td></th>	<td></td> <td>-</td> <td>-</td> <td>nguage Course - IV 6 3 3 40 60 minguage Course - IV 6 3 3 40 60 or Enrichment-II 6 3 3 40 60 ourses 4 4 3 40 60 s and Series 4 3 3 40 60 ning in Python 4 4 3 40 60 ning in Python 4 4 3 40 60 or Elective Course 2 2 2 40 60 of Course 2 2 3 50 50 or Elective Course 2 2 3 50 50 cel Course 2 2 3 50 50 cel course 2 2 3 50 50 ourses 6 5 3 40 60 algebra 5 4 3 40 60 algebra 6 5 3 40 60 <td< td=""><td>-</td></td<></td>		-	-	nguage Course - IV 6 3 3 40 60 minguage Course - IV 6 3 3 40 60 or Enrichment-II 6 3 3 40 60 ourses 4 4 3 40 60 s and Series 4 3 3 40 60 ning in Python 4 4 3 40 60 ning in Python 4 4 3 40 60 or Elective Course 2 2 2 40 60 of Course 2 2 3 50 50 or Elective Course 2 2 3 50 50 cel Course 2 2 3 50 50 cel course 2 2 3 50 50 ourses 6 5 3 40 60 algebra 5 4 3 40 60 algebra 6 5 3 40 60 <td< td=""><td>-</td></td<>	-			
Semester VI BDMT61 Complex Analysis 6 5 3 40 60 100 BDMT61 Complex Analysis 6 5 4 3 40 60 100 BDMT62 Linear Algebra 5 4 3 40 60 100 BDMT63 Statistics 6 5 3 40 60 100 BDMT61 RLanguage Lab 2 2 3 50 50 100 BDMT61/ Operations Research / Automata and BDMT622 6 5 3 40 60 100 BDMT612 Self Employment/ Job Oriented Courses BDJO 2 2 2 40 60 100 BDSE/ Self Employment/ Job Oriented Courses BDJO 2 2 2 40 60 100 BDSE/ Self Employment/ Job Oriented Courses BDJO 2 2 2 3 50 50 100 BDJO - Practical/Field work/Project 2						-	-	-	800
BDMT61 Major Courses Complex Analysis 6 5 3 40 60 100 BDMT61 Complex Analysis 5 4 3 40 60 100 BDMT62 Linear Algebra 5 4 3 40 60 100 BDMT63 Statistics 6 5 3 40 60 100 BDMT61 RLanguage Lab 2 2 3 50 50 100 BDMT61/ RLanguage Lab 2 2 3 50 50 100 BDMT621 RLanguage Lab 2 2 3 40 60 100 BDMT621 RLanguage Lab 2 2 3 40 60 100 BDMT621 FormalLanguages 6 5 3 40 60 100 BDMT622 Self Employment/ Job Oriented Courses 2 2 2 40 60 100 BDJO - Theory -			andatory for the course BDMT5E1 –Linear	Programm	ning				
BDMT61 Complex Analysis 6 5 3 40 60 100 BDMT62 Linear Algebra 5 4 3 40 60 100 BDMT62 Linear Algebra 5 4 3 40 60 100 BDMT63 Statistics 6 5 3 40 60 100 BDMT61 RLanguage Lab 2 2 3 50 50 100 BDMT6E1/ BDMT6E2 FormalLanguages 2 2 3 50 50 100 BDMT6E2 FormalLanguages 5 3 40 60 100 BDMT6E2 Skill Based Courses (open to all) 5 3 40 60 100 BDSE/ Self Employment/ Job Oriented Courses 2 2 2 40 60 100 BDSE/ BDJO - Theory 2 2 3 50 50 100 BDJO - Practical/Field work/Pr	Semester	VI	•						
BDM 161 Complex Analysis Image: Complex Analysis				6	5	3	40	60	100
BDMT63 Statistics 5 40 60 100 BDMT61 RLanguage Lab 2 2 3 50 50 100 BDMT6L RLanguage Lab 2 2 3 50 50 100 BDMT6E1/ BDMT6E2 Operations Research / Automata and BDMT6E2 6 5 3 40 60 100 BDMT6E1/ BDMT6E2 Operations Research / Automata and FormalLanguages 6 5 3 40 60 100 BDSE/ BDJO Self Employment/ Job Oriented Courses BDJO 2 2 2 40 60 100 BDSE/ BDJO Self Employment/ Job Oriented Courses BDJO 2 2 2 3 50 50 100 - Library and Information Science 1 - - - - - - -				-				1	- 50726
BDMT6L RLanguage Lab 2 2 3 50 50 100 BDMT6E1/ Operations Research / Automata and BDMT6E2 FormalLanguages 6 5 3 40 60 100 BDMT6E1/ Skill Based Courses (open to all) BDJO Self Employment/ Job Oriented Courses BDJO 2 2 3 50 50 100 BDSE/ Self Employment/ Job Oriented Courses BDJO Self Employment/ Job Oriented Courses BDJO 2 2 2 40 60 100 BDSE/ Self Employment/ Job Oriented Courses BDJO Self Employment/ Job Oriented Courses BDJO 2 2 3 50 50 100 - Library and Information Science 1 - - - - -									
BDMT6E1/ BDMT6E2/ BDMT6E2/ BDMT6E2/ BDMT6E2/ BDMT6E2/ BDMT6E2/ FormalLanguages Najor Elective Courses Operations Research / Automata and FormalLanguages 2 2 3 30 30 100 Part IV BDSE/ BDJO Skill Based Courses (open to all) Self Employment/ Job Oriented Courses BDJO 2 2 2 2 40 60 100 Part IV BDSE/ BDJO Self Employment/ Job Oriented Courses BDJO 2 2 2 3 50 50 100 - Library and Information Science 1 - - - - -	Part III							60	100
BDMT6E1/ BDMT62 Operations Research / Automata and FormalLanguages 6 5 3 40 60 100 Part IV BDSE/ BDJO Skill Based Courses (open to all) Self Employment/ Job Oriented Courses BDJO 2 2 2 40 60 100 Part IV BDSE/ BDJO Skill Based Courses (open to all) Self Employment/ Job Oriented Courses BDJO 2 2 2 40 60 100 Part IV BDSE/ BDJO Self Employment/ Job Oriented Courses BDJO 2 2 3 50 50 100 - Library and Information Science 1 - - - -		BDMT6L		2	2	3	50	50	100
BDMT6E2 FormalLanguages o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o o <tho< th=""> o</tho<>		DDLUTCDLU	Major Elective Courses						
BDSE/ BDJO Skill Based Courses (open to all) Self Employment/ Job Oriented Courses BDJO 2 2 2 40 60 100 BDSE/ BDJO Self Employment/ Job Oriented Courses BDJO Self Employment/ Job Oriented Courses - Practical/Field work/Project 2 2 3 50 50 100 - Library and Information Science 1 - - - - -				6	5	3	40	60	100
Part IV BDSE/ BDJO -Theory BDSE/ BDJO -Theory BDSE/ BDJO -Theory BDSE/ BDJO -Practical/Field work/Project - Library and Information Science		BDM16E2							
Part IV BDJO - Theory BDSE/ Self Employment/ Job Oriented Courses 2 2 2 3 50 100 - Practical/Field work/Project 2 2 3 50 50 100 - Library and Information Science 1		DDCE/		-					1.256.3
Part IV BDSE/ Self Employment/ Job Oriented Courses 2 2 3 50 100 BDJO - Practical/Field work/Project 2 3 50 50 100 - Library and Information Science 1		NOT NOT NOT MOTO		2	2	2	40	60	100
BDJO - Practical/Field work/Project 2 2 3 50 50 100 - Library and Information Science 1 - - - - - -	Part IV								
- Library and Information Science 1				2	2	3	50	50	100
	ł			1					
		-		-	-				-

T. Palameesi Principal PRINCIPAL ne Standard Fireworks Rajaratnam Collego for Women, SIVAKASI

D. Kuld Q. Head of the Department



THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI – 626 123.

(Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC, College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH)

DEPARTMENT OF MATHEMATICS

PERCENTAGE OF SYLLABUS REVISION

B.Sc. MATHEMATICS

JUNE 2020 AND LATER

. THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI DEPARTMENT OF MATHEMATICS COURSES OFFERED FOR OTHER MAJOR STUDENTS

lent			ek ig	\$	Duration of Exam. (Hrs.)	Ma	rks All	otted
Component	Course Code	Course Title	Teaching Hours Per Week	Credits		Internal	External	Total
Semester 1	III							
Part III	BDMT3A1	Allied Courses for Chemistry and Physics Major Students Allied Mathematics I	6	5	3	40	60	100
Semester I	Î V	•	-					
Part III	BDMT4A1	Allied Courses for Chemistry and Physics Major Students Allied Mathematics II	6	5	3	40	60	100
Part IV	BDMT4N	Non Major Elective Course Statistical Methods	2	2	2	40	60	100
Semester V	V							
Part IV	BDMT5N	Non Major Elective Course Numerical Methods	2	2	2	40	60	100
Semester V	VI I							
Part IV	BDJO66	Skill Based Courses (open to all) Self Employment Courses Career Mathematics	2	2	2	40	60	100
	BDJO66L	Career Mathematics Lab	2	2	3	50	50	100

Extra Credit Course (Open to All)

ia Si Course					Marks Allotted			
Semester	Course Code	Course Title	Total Contact Hours	Credits	Duration of Exam (Hours)	Internal	External	Total
	BDMTEC1	Mathematics for career building	30	2	3	40	60	100

ees: Principal

PRINCIPAL The Standard Fireworks Rajaratnam College for Women, SIVAKASI

Head of the Department



THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), Sivakasi

(Affiliated to Madurai Kamaraj University, Reaccredited with "A" Grade by NAAC, College with Potential for Excellence by UGC & Mentor Institution under UGC PARAMARSH)

NAAC SSR Cycle IV (2015-2020)

1.1. CURRICULUM DESIGN AND DEVELOPMENT

1.1.2. REVISION OF SYLLABUS

PERCENTAGE OF SYLLABUS REVISION 2017 AND LATER



THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI – 626 123.

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DEPARTMENT OF MATHEMATICS

PERCENTAGE OF SYLLABUS REVISION

B.Sc. MATHEMATICS

JUNE 2017 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),

SIVAKASI. DEPARTMENT OF MATHEMATICS B.SC MATHEMATICS – PROGRAMME CODE: GLMT

(For those who have joined in June 2017 and later)

S.No.	Components	Number of courses having changes
1.	Part I	4
2.	Part II	4
3.	Part III	4
4.	Part IV	4
	Total	16

Total Number of Courses having changes :16

Total Number of Courses	:43
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Percentage of Revision	:37.2
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Signature of the HOD with Seal

Merch of the Dept. of Mathematics, The Standard Fireworks Rajaratham College for Women, Sivakasi.

J. Palaverai

Principal PRINCIPAL The Standard Fireworks Rajaratnam College for Women, SIVAKASI



THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI – 626 123. (Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC, College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH)

DEPARTMENT OF MATHEMATICS

PERCENTAGE OF SYLLABUS REVISION

B.Sc. MATHEMATICS

JUNE 2017 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),

SIVAKASI

DEPARTMENT OF MATHEMATICS

B.Sc Mathematics

Code: GLMT

June 2017 and later

S.No	Semester	Course Code	Course Title
1.	IV	GLMT4DS	Combinatorics
2.	V	GLMT5L	Maple Lab I
3.	v	GLMT5E2	Fourier Analysis
4.	VI	GLMT62	Number theory
5	VI	GLMT6L	Matlab

D. hund a Signature of the HOD

Signature of the riob

Head of the Dept. of Mathematics, The Standard Fireworks Rajaratnam College for Women, Sivakasi. I-Paleweesi-Signature of the Principal

PRINCIPAL The Standard Fireworks Rajaratnam College for Women, SIVAKASI



THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI – 626 123.

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DEPARTMENT OF MATHEMATICS

PERCENTAGE OF SYLLABUS REVISION

B.Sc. MATHEMATICS

JUNE 2017 AND LATER

The Standard Fireworks Rajaratnam College for Women, Sivakasi B.Sc. Mathematics – Allotment of Hours and Credits (For those who joined in June 2017 and later)

	Semester								
	I	п	ш	IV	v	VI	Total No.of Credit		
Part I – Tamil I			6(3)	6(3)	6(3)	6(3)		-	12
Part II - English			6(3)	6(3)	6(3)	6(3)	-	-	12
Part III – Majo	r and Allied Cou	the second se							
		Course I	5(4)	4 (4)	5(5)	4(4)	6(5)	6(5)	
Major	Theory	Course II	5(4)	4 (4)	5(5)	4(3)	5(4)	5(4)	
		Course III	-	-	-	-	6(5)	6(5)	
		Course IV	-	-	-		6(5)	6(5)	
	Practical	Lab I					2(2)	2(2)	
All	ad	Theory	4 (4)	4(4)	4(4)	4(4)	-	-	
All	ieu	Practical	2*	2(2)	2(1)	2(1)		-	
Total No. of Credits			16(12)	14(14)	16(15)	14(12)	25(21)	25(21)	95
Part IV Value	e Added /Non	Major/ Skilled	I based Co	ourses					
Value Added	Courses								
Peace Education	1		2(2)	-	-	-	-	-	
Environmental S	tudies		-	2(2)	-	-	10-10-10-10-10-10-10-10-10-10-10-10-10-1		
Non Major C	Courses								
i) NME I			-	-	2(2)	-			
ii) NME II			-	-	-	2(2)		-	
Skilled based	Courses								
1. Computer liter	acy		-	2(2)		-	-	-	
2. Discipline Spe	cific Course		-	-	-	2(2)		-	
3. Career Guidan	ice and Subject V	/iva	-	-	-		2(2)	-	
4. Women Studie	es		-	-	-	-	2(2)		
 Self Employm Courses – The 		d	-	-	-			2(2)	
 Self Employm Courses – Prac 	ent / Job Oriente ctical / Project	d	-	-	0.72		-	2(2)	
Library and In	formation Sci	ence	-	-	-	-	1(*)	1(*)	
Total No. of Credits			2	4	2	4	4	4	20
		ysical Education	n & Social .	Awareness	Program	me			
NSS/NCC/Physical Education/ Extension Activities/Youth Red Cross/Social Service League/Red Ribbon Club/Citizen Consumer Club/Environmental Club		(*)	(1)	-	-		-	1	
Consumer Ciub.	Sarnonnental				Total				140
T-Palane Principal PRINCIP							the Depa		

Principal PRINCIPAL The Standard Fireworks Rajaratnam Collego for Women, SIVAKASI



THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI – 626 123. (Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC,

College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH)

DEPARTMENT OF MATHEMATICS

PERCENTAGE OF SYLLABUS REVISION

B.Sc. MATHEMATICS

JUNE 2017 AND LATER

	OUTCOM	B.Sc. MATHEMATICS PROGRAM (For those who have joined in 2017 : IE BASED EDUCATION WITH CHOICE I PROGRAMME CODE – GLI PROGRAMME SCHEME	and later) BASED C MT	REDIT	r systi	EM		
Ŧ			04 4	A Starks Al		ks Allot	ted	
Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Internal	External	Total
emester 1		·						
Part I	GLGT11/ GLGH11/ GLGF11	சங்க இலக்கியமும் உரைநடையும/ Hindi Language Course – 1 / French Language Course - 1	6	3	3	25	75	100
Part II	GLEN11	Communicative English-I	6	3	3	25	75	100
	GLMT11	Major Courses Calculus and Trigonometry	5	4	3	25	75	100
Part III	GLMT12	AG3D and Vector Calculus	5	4	3	25	75	100
	GLPH1A	Allied Courses Fundamental Physics	4	4	3	25	75	100
		Allied Lab	2		-			
Part IV	GLPE11	Value Added Course Peace Education	2	2	2	25	75	100
		Total	30	20		-		600
Semester 1				-	1	-		-
Part I	GLGT21/ GLGH21/ GLGF21	காப்பிய இலக்கியமும் புதினமும/ Hindi Language Course -11 / French Language Course - 11	6	3	3	25	75	100
Part II	GLEN21	Communicative English-II	6	3	3	25	75	100
	GLMT21	Major Courses Theory of equations	4	4	3	25	75	100
Part III	GLMT22	Numerical Methods	4	4	3	25	75	100
	GLPH2A1	Allied Courses Digital Electronics	4	4	3	25	75	100
	GLPH2AL	Allied Lab	2	2	3	40	60	100
Part IV	GLES21	Value Added Course Environmental studies Skill based Course	2	2	2	25	75	100
	GLCL23	Introduction to Computers & MS office	2	2	2	25	75	100
Part V	11 - 53	Extension Activities – Physical Education and Social Awareness Programme	-	1	-	-	-	-
		Total	30	25				800
Semester I	GLGT31/	சமய இலக்கியமும் நாடகமும/Hindi	1	1	-	1	í –	-
Part I	GLGH31/ GLGH31/ GLGF31	Language Course - III / French Language Course - III	6	3	3	25	75	100
Part II	GLEN31	Communicative English-III	6	3	3	25	75	100
	GLMT31	Major Courses Modern Algebra	5	5	3	25	75	100
	GLMT32	Differential equations	5	5	3	25	75	100
Part III	GLMT3A	Allied Courses Programming in C	4	4	3	25	75	100
	GLMT3AL	Programming in C Lab	2	1	3	40	60	100
Part IV	GL3N	Non Major Elective Course	2	2	2	25	75	100
	1	Total	30	23			-	700



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DEPARTMENT OF MATHEMATICS PERCENTAGE OF SYLLABUS REVISION B.Sc. MATHEMATICS JUNE 2017 AND LATER

Part I	GLGT41/	கவிதை இலக்கியமும் சிறுகதையும/ Hindi		-	-			
	GLGH41/ GLGF41	Language Course - IV	6	3	3	25	75	1
Part II	GLEN41	Communicative English-IV	6	3	3	25	75	10
	GLMT41	Major Courses Graph Theory	4	4	3	25	75	10
	CLAUTIO				3	25	15	1.0
Part III	GLMT42	Sequences and Series	4	3	3	25	75	1
	GLMT4A	Allied Courses Programming in C++	4	4	3	25	75	10
	GLMT4AL	Programming in C++ Lab	2	1	3	40	60	10
	GL4N	Non Major Elective Course	2	2	3	25	75	10
Part IV	GLMT4DS	Skill Based Course Discipline Specific Course Combinatorics	2	2	2	25	75	1
		Total	30	22		-		
Semester V	,	Total	30	22	-	-	-	80
	1	Major Courses		1		-		-
	GLMT51	Real Analysis	6	5	3	25	75	10
	GLMT52	Linear Algebra	5	4	3	25	75	10
Part III	GLMT5L	Maple Lab I	2	2	3	40	60	IC
		Major Elective Courses		-		-		-
	GLMT5E1 / GLMT5E2/	Linear Programming / Laplace and Fourier transforms	6	5	3	25	75	10
	GLMT5E3/ GLMT5E4	Discrete Mathematics / Modern Applied Algebra	6	5	3	25	75	10
Part IV	GLGV51	Skill Based Course Career Guidance and Subject Viva	2	2	2	25	75	10
	GLWS51	Women Studies	2	2	2	25	75	10
		Library and Information Science	1	-	-			1
		Total	30	25	-			70
Semester V	/1							1 1
	GLMT61	Major Courses Complex Analysis	6	5	3	25	75	10
	GLMT62	Number theory	5	4	3	25	75	10
Part III	GLMT63	Statistics	6	5	3	25	75	10
rartin	GLMT6L	Matlab	2	2	3	40	60	10
			And a second		12.20		100.000	-
	GLMT6E1/ GLMT6E2/ GLMT6E3	Major Elective Course Operations Research / Applied Statistics/ Automata and formal languages	6	5	3	25	75	10
	.	Skill Based Courses Library and Information Science	1	-	-		•	-
Part IV	GLSE/GLJO	Skill Based Courses (Open to all) Self Employment/ Job Oriented courses - Theory	2	2	3	25	75	10
. are ry	GLSEL/ GLJO L	Self Employment/ Job Oriented courses - Practical	2	2	3	40	60	100

T. Valausii Principal PRINCIPAL The Standard Fireworks Rajaratnam Collego for Women. SIVAKASI Deutida. Head of the Department



THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI – 626 123.

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DEPARTMENT OF MATHEMATICS

PERCENTAGE OF SYLLABUS REVISION

B.Sc. MATHEMATICS

JUNE 2017 AND LATER

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Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Internal	External	Total
Semester	ш							L
Part III	GLMT3A1	Allied Courses for Chemistry and physics Major Students Allied Mathematics 1	6	5	3	25	75	100
Part IV	GLMT3N	Non Major Elective CourseIntroduction to Statistics	2	2	3	25	75	100
Semester	IV				1	-		L
Part III	GLMT4A1	Allied Courses for Chemistry and physics Major Students Allied Mathematics II	6	5	3	25	75	100
Part IV	GLMT4N	Non Major Elective Course Numerical Methods	2	2	3	25	75	100
Semester	vi					-	-	
Part IV	GLJO66	Skill Based Courses (Open to all) Career Mathematics	2	2	2	25	75	100
	GLJ066L	Career Mathematics - Lab	2	2	3	40	60	100

Extra Credit Course (Open to All)

*						Marks Allotted				
Semester	Course Code	Course Title	Total Contact Hours	Credits	Duration of Exam (Hours)	Internal	External	Total		
	AMTECI	Mathematics for career Building	2	2	3	25	75	100		

T-Polaversi Principal

PRINCIPAL The Standard Ffreworks Rajaratnani College for Women, SIVAKASI

De huld C Head of the Department



THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), Sivakasi

(Affiliated to Madurai Kamaraj University, Reaccredited with "A" Grade by NAAC, College with Potential for Excellence by UGC & Mentor Institution under UGC PARAMARSH)

NAAC SSR Cycle IV (2015-2020)

1.1. CURRICULUM DESIGN AND DEVELOPMENT

1.1.2. REVISION OF SYLLABUS

PERCENTAGE OF SYLLABUS REVISION 2014 AND LATER



THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI – 626 123.

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DEPARTMENT OF MATHEMATICS

PERCENTAGE OF SYLLABUS REVISION

B.Sc. MATHEMATICS

JUNE 2014 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),

SIVAKASI. DEPARTMENT OF MATHEMATICS B.SC MATHEMATICS – PROGRAMME CODE: 14UMT

(For those who have joined in June 2014 and later)

S.No.	Components	Number of courses having changes
1.	Part I	4
2.	Part II	4
3.	Part III	1
4.	Part IV	2
14,955	Total	11

Total Number of Courses having changes :11

Total Number of Courses

:40

:27.5

Percentage of Revision

Q. Julid a

Signature of the HOD with Seal

A of the Dept. of Mathematics. The Standard Fireworks Rajaratnam College for Women, Sivakasi.

J. Palaneesi

Principal PRINCIPAL The Standard Fireworks Rajaratnam College for Women, SIVAKASI



THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI – 626 123. (Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC, College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH)

DEPARTMENT OF MATHEMATICS

PERCENTAGE OF SYLLABUS REVISION

B.Sc. MATHEMATICS

JUNE 2014 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),

SIVAKASI

DEPARTMENT OF MATHEMATICS

B.Sc Mathematics

Code: 14UMT

June 2014 and later

S.No	Semester	Course Code	Course Title
1.	IV	14UMT52L	Linear Programming Lab

Signature of the HOD Head of the Dept. of Mathematics, The Standard Fireworks Rajaratnam College for Women, Sivakasi.

Signature of the Principal

PRINCIPAL The Standard Fireworks Rajaratnam College for Women, SIVAKASI



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THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI – 626 123. (Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC,

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DEPARTMENT OF MATHEMATICS

PERCENTAGE OF SYLLABUS REVISION

B.Sc. MATHEMATICS

JUNE 2014 AND LATER

The Standard Fireworks Rajaratnam College for Women, sivakasi B.Sc. Mathematics - Allotment of hours and credits (For those who joined in June 2014 and later)

					5	Semeste	r		
	Subject	:	I	п	ш	IV	v	VI	Total No.of Credits
Part I - T	amil Languag	e Course	6(3)	6(3)	6(3)	6(3)	3. 4 .5	-	12
Part II - I	English Langua	age Course	6(3)	6(3)	6(3)	6(3)		-	12
Part III -	Major and A	Ilied Courses :		60.00 VC					
		Course I	5(5)	4 (3)	5(5)	5(5)	6(5)	6(5)	
Major	Theory	Course II	5(5)	4 (3)	5(5)	3(2)	6(5)	6(5)	
		Course III	-	-	-		6(5)	6(5)	
		Course IV	-	-	-	-	5(5)	5(5)	
	Practical	Lab I					2(1)	2(1)	
		Theory	4 (4)	4(4)	4(4)	4(4)	-	-	
A	llied	Practical	2*	2(2)	2(1)	2(1)	-		
Total N	o.of Credi	ts	16(14)	14(12)	16(15)	14(12)	25(21)	25(21)	95
Part IV Peace Ed	Non Majo	r/Value Adde	2(2)	es -	-	-	-	-	
Environmental Studies			2(2)	-	-	-	-		
Environmental Studies		-	-	2(2)	-	-	-	1	
II. NME I	1		-	-		2(2)		-	
	ter literacy		-	2(2)	-	-	-	-	
	ill enhanceme	nt	-		-	2(2)		-	
	Guidance and		-	-	-		2(2)	-	1
4. Womer			-	-	-	-	2(2)		
5. Skill B	ased Courses :	Self nted Courses -	-	-	-	-	-	2(2)	
6. Skill Based Courses : Self Employment / Job Oriented Courses – Practical / Field work / Project		-	-	-	-	-	2(2)]	
	Library and Information Science		-	-	-	-	1(*)	1(*)	
Total	Total No.of Credits			4	2	4	4	4	20
		ivities-Physical	Education	& Social	Awarenes	s Program	nme		10
NSS/NCO Educatio	C/Physical n/Extension s/Youth Red C		(*)	(1)	-	-	-	-	1
Total									140

T. Palemeesi

Principal PRINCIPAL The Standard Fireworks Rajaratnam Collego for Women, SIVAKASI

De Mulier Cu Head of the Department



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DEPARTMENT OF MATHEMATICS

PERCENTAGE OF SYLLABUS REVISION

B.Sc. MATHEMATICS

JUNE 2014 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI DEPARTMENT OF MATHEMATHS B.Sc. MATHEMATICS

(For those who have joined in 2014 and later) CHOICE BASED CREDIT SYSTEM PROGRAMME CODE - 14UMT PROGRAMME SCHEME

ă			80 ×		3 6	Mar	ks Alle	otted
Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Internal	External	Total
Semester	1							
Part I	14UGT11/ 14UGH11/ 14UGF11	தற்கால இலக்கியம் / Hindi Language Course – 1/ French Language Course - 1	6	3	3	25	75	100
Part II	14UGE11	Communicative English-I	6	3	3	25-	75	100
Part III	14UMT11	Major Courses Calculus	5	5	3	25	75	100
	14UMT12	Analytical Geometry of 3D	5	5	3	25	75	100
Part IV	14UPE11	Peace Education	2	2	2	25	75	100
		Total	24	18			1	500
Semester	11							
Part I	14UGT21/ 14UGH21/ 14UGF21	பக்திஇலக்கியம்/ Hindi Language Course -II / French Language Course - II	6	3	3	25	75	100
Part II	14UGE21	Communicative English-II	6	3	3	25	75	100
Part III	14UMT21	Major Courses Theory of equations	4	3	3	25	75	100
Part III	14UMT22	Sequences and Series	4	3	3	25	75	100
Part IV	14UES21	Value Added Course Environmental studies	2	2	2	25	75	100
Fartiv	14UCL23	Value Added Course Introduction to Computers and MS office	2	2	2	25	75	100
Part V		Extension Activities – Physical Education and Social Awareness Programme		1				100
		Total	24	17				700
Semester	111							
Part I	14UGT31/ 14UGH31/ 14UGF31	காப்பியஇலக்கியம் / Hindi Language Course – III / French Language Course - III	6	3	3	25	75	100
Part II	14UGE31	Communicative English-III	6	3	3	25	75	100
Part III	14UMT31	Major Courses Graph Theory	5	5	3	25	75	100
	14UMT32	Differential equations	5	5	3	25	75	100



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DEPARTMENT OF MATHEMATICS PERCENTAGE OF SYLLABUS REVISION B.Sc. MATHEMATICS

JUNE 2014 AND LATER

	14UMT3A	Allied Course Programming in C	4	4	3	25	75	100
	14UMT3AL	Programming in C Lab	2	1	3	40	60	100
Part IV	14U3N	Non Major Elective I	2	2	з	25	75	100
		Total	30	23				700
Semester	IV							
Part I	14UGT41/ 14UGH41/ 14UGF41	சங்கஇலக்கியம் / Hindi Language Course -IV/ French Language Course - IV	6	3	3	25	75	100
Part II	14UGE41	Communicative English-IV	6	3	3	25	75	100
	14UMT41	Major Courses Modern Algebra	5	5	3	25	75	100
Part III	14UMT42	Vector Calculus and Trigonometry	3	2	3	25	75	100
	14UMT4A	Programming in C++	4	4	3	25	75	100
	14UMT4AL	Programming in C++ Lab	2	1	3	40	60	100
	14U4N	Non Major Elective II	2	2	3	25	75	100
Part IV	14USK41	Value Added Course Soft Skill Enhancement	2	2	-	40	60	100
		Total	30	22			_	800
Semester	v					-		1
Part III	14UMT51	Major Courses Statistics	6	5	3	25	75	100
	14UMT52	Linear Programming	5	5	3	25	75	100
Part III	14UMT52L	Linear Programming Lab	2	1	3	40	60	100
	14UMT5E1 / 14UMT5E2/	Major Elective Courses Real Analysis / Number theory and Cryptography/	6	5	3	25	75	100
	14UMT5E3/ 14UMT5E4	Discrete Mathematics / Modern Applied Algebra	6	5	3	25	75	100
Part IV	14UGV51/ 15UGV51	Value Added Course Career Guidance and Subject Viva	2	2	2	25	75	100
	14UWS51	Women Studies	2	2	2	25	75	100
		Total	29	25				700
Semester '	VI							
	14UMT61	Major Courses Linear Algebra	6	5	3	25	75	100
emester V	14UMT62	Operations Research	6	5	3	25	75	100
Part III	14UMT63	Numerical Methods	5	5	3	25	75	100
	14UMT63L	Numerical Methods Lab	2	1	3	40	60	100
	14UMT6E1/ 14UMT6E2/ 14UMT6E3	Major Elective Course Complex Analysis / Applied Statistics/ Automata and formal languages	6	5	3	25	75	100



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DEPARTMENT OF MATHEMATICS PERCENTAGE OF SYLLABUS REVISION B.Sc. MATHEMATICS JUNE 2014 AND LATER

Part IV	1403066	Skill Based Courses (Open to all) Self Employment/ Job Oriented courses – Theory	2	2	3	25	75	100
	14UJ066L	Self Employment/ Job Oriented courses - Practical	2	2	3	40	60	100
		Total	29	25	4			700

T.Polanees: Polincipal PRINCIPAL

for Women, SIVARASI

D. Julida

Head of the Department



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DEPARTMENT OF MATHEMATICS

PERCENTAGE OF SYLLABUS REVISION

B.Sc. MATHEMATICS

JUNE 2014 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI DEPARTMENT OF MATHEMATICS COURSES OFFERED FOR OTHER MAJOR STUDENTS

ent			60 ×		of rs.)	Ma	rks Allo	otted
Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Internal	External	Total
Semester	III		<u> </u>		1			
Part III	14UMT3A1	Allied Courses for Chemistry AND physics Major Students Allied Mathematics I	6	5	3	25	75	100
Part IV	14UMT3N	Non Major Elective Course Statistical Methods	2	2	3	25	75	100
Semester	iv					-		
Part III	14UMT4A1	Allied Courses for Chemistry AND physics Major Students Allied Mathematics II	6	5	3	25	75	100
Part IV	14UMT4N	Non Major Elective Course Mathematical Methods	2	2	3	25	75	100
Semester	VI							
Part IV	1403066	Skill Based Courses (Open to all) Career Mathematics	2	2	3	25	75	100
	14UJ066L	Career Mathematics Lab	2	2	3	40	60	100

Extra Credit Course (Open to All) Don't use Add on Courses Paste your Dept. details

			and a second		- mason and -	Mar	ks All	otted
Semester	Course Code	Course Title	Total Contact Hours	Credits	Duration of Exam (Hours)	Internal	External	Total
	14UMTEC1	Mathematics for career Building	2	2	3	25	75	100

T-Palaveesi Principal

PRINCIPAL e Standard Fireworks Rajaminani College for Women, SIVAKASI

De hunder Head of the Department