

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



(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 (COMPUTER APPLICATIONS)

JUNE 2020 AND LATER

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

DEPARTMENT OF MATHEMATICS

B.SC MATHEMATICS WITH COMPUTER APPLIATIONS – PROGRAMME CODE: BDMC (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	. 6
4.	Part IV	4
Total		16

Total Number of Courses having changes :16

Total Number of Courses	:44
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Percentage of Revision :36.4

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Signature of the HOD with Seal

 Description of the Dept. of Mathematics.
 The Mandard Fireworks Rajaratham College for Women, Sivakasi.

J. Palareesi

Principal PRINCIPAL The Standard Fireworks Rajaratnam Collego for Women, SIVAKASI



DEPARTMENT OF MATHEMATICS PERCENTAGE OF SYLLABUS REVISION B.Sc. MATHEMATICS (COMPUTER APPLICATIONS) JUNE 2020 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),

SIVAKASI

DEPARTMENT OF MATHEMATICS

M.Sc Mathematics

Code: BDMC

June 2020 and later

S.No	Semester	Course Code	Course Title
1.	II	BDMC22	Numerical Methods
2.	III	BDMC31	Mechanics
3.	III	BDMC32	Differential Equations
4.	IV	BDMC4A	Programming in Python
5.	IV	BDMC4AL	Programming in Python Lab
6.	IV	BDMC4DSL	Mathematica Lab
7.	IV	BDMC5V	Internship/On-The Job Training

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Hend of the Dept. of Mathematics. The Standard Fireworks Rajaratnam College for Women, Sivakasi. J. Palaneesi

Signature of the Principal PRINCIPAL The Standard Flreworks Rajaminium College for Women, SIVArtasi



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 (COMPUTER APPLICATIONS) JUNE 2020 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI B.Sc. Mathematics with Computer Applications- Allotment of Hours and Credits (For those who have joined in June 2020 and later)

						Seme	ster		
	Subject		Ι	п	111	IV	v	VI	Total No. of Credits
Language Co				- (2)	<(2)	(2)			12
	/Hindi/French		6(3)	6(3)	6(3)	6(3) 6(3)	-	-	12
Part II - Englis	sh Daviou Electio	and Allied Course	6(3)	6(3)	6(3)	0(3)	-		14
Part III – Maj	or, Major Electiv	e and Allied Course		4 (4)	6(6)	4(4)	6(5)	6(5)	
	Theory	Course I	5(4)		6(6)	4(3)	5(4)	5(4)	-
	Theory	Course II	5(4)	4 (4)			-		-
Major		Project	-	-	-	-	-	6(5)	
		Lab	-	-	-	-	2(2)	2(2)	
	Practical	Internship/On- The Job Training	-	-	-	-	(1)	-	
		Course I	-	-	-	-	6(5)	6(5)	
Major Elective	Theory	Course II	-			_	6(4)	0(5)	
		Theory	6 (5)	4(4)	4(4)	4(4)	-	-	
Allied		-	2(1)	2(1)	2(1)	-	-		
		Practical							97
Total No. of Credits Part IV Ability Enhancement Courses			13	13	17	12	21	21	97
		ent Courses							
Value Addee			2(2)			-	-	_	-
1.Environmental Studies			2(2)	-	-	-	-	-	
	tion & Gender Stu		-	2(2)	-	-	-	-	-
Non Major Elective Courses					-	2(2)	-		-
1. NME I			-	-	_	2(2)	2(2)	-	
?. NME II			-	-	-	-	2(2)	-	-
Skilled Base			-	2(2)	-		-	_	-
1. Computer li			-		-	2(2)	_	-	-
3. Career Guid	Specific Course		-	-		=	2(2)	-	-
		ad	-		_		=		-
4. Self Employ Courses – The	yment / Job Orient	ted	-	-	-	-	_	2(2)	
5. Self Emplo	yment / Job Orient actical / Project	ted	-	-	-	-	-	2(2)	
	Information Scie	ence	-	-	-	-	1(*)	1(*)	
Total No. of	Credits		2	4	-	4	4	4	18
Part V: Soci	al Awareness Pro	gramme and Physic	al Educa	ation					
National Serv Extension Ac Donors Club Ribbon Club	vice Scheme / Nat	tional Cadet Corps / ted Cross and Blood League / Red ner Club /			-	-	-	-	1
Environmen	club / r nyoicur		Credits						140

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 (COMPUTER APPLICATIONS)

JUNE 2020 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI DEPARTMENT OF MATHEMATICS B.Sc. MATHEMATICS WITH COMPUTER APPLICATIONSPROGRAMME (For those who have joined in 2020 and later) OUT COME BASED EDUCATION WITH CHOICE BASED CREDIT SYSTEM **PROGRAMME CODE – BDMC PROGRAMME SCHEME** Duration of Exam. (Hrs.) Marks Allotted ponent Teaching Hours Per Week Credits Course Internal **Course Title** Externa Comr Code Total Semester BDGT11/ சங்கஇலக்கியமும்உரைநடையும்/ Part I BDGH11/ Hindi Language Course - I/ 6 3 3 40 60 100 BDGF11 French Language Course - I Part II BDGE11 English for Communication-I 6 3 3 40 60 100 **Major Courses** 5 4 3 40 60 100 BDMC11 Calculus and Trigonometry Part BDMC12 AG3D and Vector Calculus 5 4 40 3 60 100 III Allied Course 6 5 3 40 60 100 BDMC1A Statistics I Value Added Course Part 2 2 2 40 60 100 BDES11 **Environmental Studies** IV Total 30 21 600 Semester II BDGT21/ அறஇலக்கியமும்தன்முன்னேற்றக் Part I கட்டுரைகளும் / 6 40 100 3 3 60 BDGH21/ Hindi Language Course -II / BDGF21 French Language Course - II BDGE21 English for Communication-II Part II 6 3 3 40 60 100 **Major Courses** 4 4 3 40 100 60 BDMC21 Theory of Equations Part BDMC22 Numerical Methods 4 4 3 40 60 100 ш Allied Courses 4 4 3 40 60 100 BDMC2A Statistics II BDMC2AL Statistics Lab 2 3 1 50 50 100 Value Added Course 2 2 2 40 60 100 BDVG21 Part Value Education & Gender Studie IV Skill Based Course 2 2 2 40 100 60 BDCL23 Introduction to Computers &MS Office Social Awareness Programme and BDSA2 Part V 1 ... ----**Physical Education** Total 30 24 800 ----Semester III BDGT31/ சமய இலக்கியமும்நாடகமும்/ 3 BDGH31/ Hindi Language Course -- III / 6 3 40 60 100 Part I BDGF31 French Language Course - III Part II BDGE31 English for Enrichment-I 6 3 3 40 60 100 **Major Courses** 6 6 3 40 100 60 BDMC31 Mechanics BDMC32 **Differential Equations** Part 6 6 3 40 60 100 III BDMC3A Allied Courses 4 4 3 40 60 100 Programming in C& C++ BDMC3AL Programming in C& C++ Lab 2 1 3 50 50 100 600 Total 30 23 -



DEPARTMENT OF MATHEMATICS PERCENTAGE OF SYLLABUS REVISION B.Sc. MATHEMATICS (COMPUTER APPLICATIONS) JUNE 2020 AND LATER

Semeste						1		
Part I	BDGT41/	கவிதைஇலக்கியமும்சிறுகதையும் /Hindi	6	2	2	10	60	10
			0	3	3	40	00	10
Dent XX		French Language Course – IV	6	2	2	40	60	10
Part II	BDGE41		0	3	3	40	00	10
	BDMC41		4	4	3	40	60	10
Dent			4	2	2	40	60	10
	BDIVIC42		4	3	3	40	00	10
	BDMC4A		4	4	3	40	60	10
			or Enrichment-II 6 3 3 40 60 ourses 4 4 3 40 60 heory 4 4 3 40 60 es and Series 4 3 3 40 60 ming in Python 4 4 3 30 60 ming in Python 2 1 3 50 50 or Elective Course 2 2 3 50 50 e Specific Course 2 2 3 50 50 ourses 6 5 3 40 60 50 ourses 6 5 3 40 60 60 Algebra 2 2 3 50 50 B 2 2 3 40 60 60 Anlysis 6 5 3 40 60 1 Programming/ 6 5 3 40 60 1 Ip/On-The Job Training - 1 - <td>10</td>	10				
			1201200000	-			60 60 60 60 50 60 50 60 50 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60	10
Part	BD4N		2	2	2	40	60	10
IV				_		-		
1000	BDMC4DSI		2	2	3	50	50	10
	BDMC4D3L	Mathematica Lab						
	BDGH41/ BDGF41 Enerch Language Course TV/ French Language Course TV 6 3 3 40 60 1 ATT BDGF41 French Language Courses 4 4 3 3 40 60 1 BDMC41 Graph Theory 4 4 3 3 40 60 1 BDMC42 Sequences and Series 4 3 3 40 60 1 BDMC43 Programming in Python 4 4 3 40 60 1 BDMC4A Programming in Python Lab 2 1 3 50 50 1 BDMC4DSL Discipline Specific Course 2 2 2 3 50 50 1 BDMC4DSL Major Courses 6 5 3 40 60 1 BDMC51 Malor Elective Courses 2 2 3 50 50 1 BDMC51 Malger Elective Courses 5 4 3 40 </td <td>80</td>		80					
Semeste	r V							
		Major Courses	6	E	2	10	60	10
	BDMC51	Real Analysis	0	5	3	40	60	10
	BDMC52	Modern Algebra	5	4	3	40	60	10
	BDMC5L	MATLAB	2	2	3	50	50	10
Part		Major Elective Courses						
m	BDMC5E1/		6	5	3	40	60	10
	BDMC5E2							100
	BDMC5E3/					1		
			6	4	3	40	60	10
	BDMC5V	Internship/On-The Job Training		1		-	100	10
			10000000	2		14.2.1	20000000000	10
Part	DDDIA		2	20			00	10
IV	BDCG51			2	2	40	60	10
								-
	-			-	-	-	-	-
					-	-	-	80
		mandatory for the course BDMC5E1-Li	near Pro	grammin	ng			
Semeste	r VI							
	D.D.L.O.C.		6	5	3	40	60	10
			-					
					3	40		10
III Part IV Study tou					-	-		10
111	BDMC6L		2	2	3	50	50	10
			6	5	3	40	60	10
	BDMC6E2							
			2	2	2	40	60	10
								-
	BDSE/		2	2	3	50	50	10
IV IV			-		-			1 - 0
	BDJO			-				
	BDJO -	- Practical/Field work/Project Library and Information Science Total	1 30	- 25	-	-	-	- 70

T-Palavesi Principal PRINCIPAL The Standard Fireworks Rajaratnam College for Women, SIVAKASI

Deulid C., Head of the Department



DEPARTMENT OF MATHEMATICS

PERCENTAGE OF SYLLABUS REVISION B.Sc. MATHEMATICS (COMPUTER APPLICATIONS)

JUNE 2020 AND LATER

ŧ			Teaching Hours Per Week		Xam.	Marks Allotted		
Component	Course Code	e Course Title		Credits	Duration of Exam. (Hrs.)	Internal	External	Total
Semester	IV							
Part IV	BDMC4N	Non Major Elective Course Numerical Aptitude I	2	2	2	40	60	100
Semester	V							
Part IV	BDMC5N	Non Major Elective Course Numerical Aptitude II	2	2	2	40	60	100
Semester	VI					_		
Part IV	BDJO70	Skill Based Courses – (Open to all) Self Employment Courses Mathematical Statistics	2	2	2	40	60	100
	BDJO70L	Mathematical Statistics Lab	2	2	3	50	50	100

T-Palavers: Principal

PRINCIPAL The Standard Fireworks Rajaratnam College for Women, SIVAKASI

D. Julia C. Head of the Department



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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



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DEPARTMENT OF MATHEMATICS

PERCENTAGE OF SYLLABUS REVISION

B.Sc. MATHEMATICS COMPUTER APPLICATIONS

JUNE 2017 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI. DEPARTMENT OF MATHEMATICS B SC MATHEMATICS - BROCHAMME CODE: CLMC

B.SC MATHEMATICS – PROGRAMME CODE: GLMC (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

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



DEPARTMENT OF MATHEMATICS PERCENTAGE OF SYLLABUS REVISION B.Sc. MATHEMATICS (COMPUTER APPLICATIONS) JUNE 2017 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),

SIVAKASI

DEPARTMENT OF MATHEMATICS

B.Sc Mathematics with Computer Application

Code: GLMC

June 2017 and later

S.No	Semester	Course Code	Course Title
1.	II	GLMC2AL	Statistics Lab
2.	IV	GLMC4DS	Combinatorics
3.	v	GLMT5E2	Fourier Analysis
4.	VI	GLMC62	Number theory
5	VI	GLMC6L	MATLAB

- Mulid a 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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DEPARTMENT OF MATHEMATICS PERCENTAGE OF SYLLABUS REVISION **B.Sc. MATHEMATICS (COMPUTER APPLICATIONS) JUNE 2017 AND LATER**

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

						Semest	er		
Subject Part I - Tamil Language Course				п	ш	IV	v	VI	Total No.of Credits
	Part I - Tamil Language Course			6(3)	6(3)	6(3)	-	-	12
Part II - English Language Course			6(3)	6(3)	6(3)	6(3)	-	-	12
		Part II	l – Major	and Allie	d Course	5 :			
		Course I	5(4)	4 (4)	5(5)	4(4)	6(5)	6(5)	
	71	Course II	5(4)	4 (4)	5(5)	4(3)	5(4)	5(4)	
Major	Theory	Course III	-	-	-	-	6(5)	6(5)	
		Course IV	-	-	-	-	6(5)	-	
		Project	-	-	-	-	-	6(5)	
	Practical	Lab	-	-	-	-	2(2)	2(2)	
		Theory	6 (5)	4(4)	4(4)	4(4)	-	-	
	Allied	Practical	-	2(1)	2(1)	2(1)	-	-	
Total No. of Credits			16(13)	14(13)	16(15)	14(12)	25(21)	25(21)	95
	Pa	rt IV Value Ad	Ided /Nor	n Major.	Skilled	based Co	ourses		
		Value	e Added	Courses					
Peace Education			2(2)	-	-	-	-	-	
Environmental Studies			-	2(2)	-	-	-	-	
		Non	Major (Courses					
i) NME I			-	-	2(2)	-	-	-	
ii) NME II			-	-	-	2(2)		-	
		Skille	ed based	Courses					1
1. Compute	er literacy		-	2(2)	-	-	-	-	1
	e Specific Cours	e	-	-	-	2(2)		-	
	uidance and Sub		-	-	-		2(2)	-	1
4. Women			-	-	-	-	2(2)		
	oloyment / Job O	riented	-	-	-	-	-	2(2)	
6. Self Emp	oloyment / Job O Practical / Proje		-	-	-	-	-	2(2)	
	d Information S		-	-	-	-	1(*)	1(*)	
	Total No. of C	redits	2	4	2	4	4	4	20
	Part V: Ex	tension Activities-	-Physical	Education	1 & Socia	Awaren	ess Progra	mme	
NSS/NCC/Physical Education/ Extension Activities/Youth Red Cross/Social Service League/Red Ribbon Club/Citizen Consumer Club/Citizen Consumer		(*)	(1)	-	-	-	-	1	
			Total						140

S. hunda. Head of the Repartment

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SIVAKASI



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DEPARTMENT OF MATHEMATICS

PERCENTAGE OF SYLLABUS REVISION

B.Sc. MATHEMATICS (COMPUTER APPLICATIONS)

JUNE 2017 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI DEPARTMENT OF MATHEMATICS B.Sc. MATHEMATICS WITH COMPUTER APPLICATIONS PROGRAMME (For those who have joined in 2017and later) OUTCOME BASED EDUCATION WITH CHOICE BASED CREDIT SYSTEM

PROGRAMME CODE – GLMC PROGRAMME SCHEME

Ħ			60 -X		of rs.)	Marks Allotted			
Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Internal	External	Total	
Semester									
Part I	GLGT11/ GLGH11/ GLGF11	சங்க இலக்கியமும் உரைநடையும/ Hindi Language Course – I/ French Language Course - 1	6	3	3	25	75	100	
Part II	GLEN11	Communicative English-I	6	3	3	25	75	100	
	GLMC11 Major Courses Calculus and Trigonometry GLMC12 AG3D and Vector Calculus GLMC1A Allied Course Statistics 1	5	4	3	25	75	100		
Part III	GLMC12	AG3D and Vector Calculus	5	4	3	25	75	100	
	GLMCIA		6	5	3	25	75	100	
Part IV	GLPE11	Value Added Course Peace Education	2	2	2	25	75	100	
		Total	30	21	-		34	600	
Semester	<u>µ</u>								
Part 1	GLGT21/ GLGH21/ GLGF21	காப்பிய இலக்கியமும் புதினமும Hindi Language Course -II / French Language Course - II	6	3	3	25	75	100	
Part II	GLEN21	Communicative English-II	6	3	3	25	75	100	
	GLMC21	Major Courses Theory of equations	4	4	3	25	75	100	
	GLMC22	Numerical Methods	4	4	3	25	75	100	
Part III	GLMC2A	Allied Courses Statistics II	4	4	3	25	75	100	
	GLMC2AL	Statistics Lab	2	1	3	40	60	100	
	GLES21	Value Added Course Environmental studies	2	2	2	25	75	100	
Part IV	GLCL23	Skill Based 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	
	1	Total	30	24	-	-	-	900	
Semester			-		-	-	-	-	
Part I	GLGT31/ GLGH31/ GLGF31	சமய இலக்கியமும் நாடகமும/ Hindi 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	
Part III	GLMC31	Major Courses Modern Algebra	5	5	3	25	75	10	
Part III	GLMC32	Differential equations	5	5	3	25	75	10	



DEPARTMENT OF MATHEMATICS PERCENTAGE OF SYLLABUS REVISION B.Sc. MATHEMATICS (COMPUTER APPLICATIONS) JUNE 2017 AND LATER

	GLMC3A	Allied Courses Programming in C	4	4	3	25	75	100
	GLMC3AL	Programming in C Lab	2	1	3	40	60	100
Part IV	GL3N	Non Major Elective Course	2	2	2	25	75	100
		Total	30	23	-	-	-	700
Semester	GLGT41/	கவிதை இலக்கியமும் சிறுகதையும/						
Part I	GLGH41/ GLGF41	Hindi Language Course - IV	6	3	3	25	75	100
Part II	GLEN41	Communicative English-IV	6	3	3	25	75	100
	GLMC41	Graph Theory	4	4	3	25	75	100
_	GLMC42	Sequences and Series	4	3	3	25	75	100
Part III	GLMC4A	Allied Courses Programming in C++	4	4	3	25	75	100
	GLMC4AL	Programming in C++ Lab	2	1	3	40	60	100
	GL4N	Non Major Elective Course	2	2	2	25	75	100
Part IV	GLMC4DS	Skill Based Course Discipline Specific Course Combinatories	2	2	2	25	75	100
		Total	30	22	-	-	-	800
Semester	v							
	GLMC51	Major Courses Real Analysis	6	5	3	25	75	100
	GLMC52	Linear Algebra	5	4	3	25	75	100
Part III	GLMC5L	Maple Lab	2	2	3	40	60	100
	CINCER!	Major Elective Courses	6	5	3	25	75	100
	GLMC5E2/	Linear Programming / Laplace and Fourier transforms	0		-		113	100
	GLMC5E3/ GLMC5E4	Discrete Mathematics/ Modern Applied Algebra	6	5	3	25	75	100
	GLGV51	Skill Based Course Career Guidance and Subject Viva	2	2	2	25	75	100
Part IV	GLWSSI	women studies	2	2	2	25	75	100
	-	Library and Information Science	1	-	-	-	-	-
		Total	30	25				700
Semester	VI					-,		
	GLMC61	Major Courses Complex Analysis	6	5	3	25	75	100
	GLMC62	Number theory	5	4	3	25	75	100
Part III	GLMC6P	Project	6	5	-	-	100	10
	GLMC6L	MATLAB	2	2	3	640	60	10
	GLMC6E1/ GLMC6E2/ GLMC6E3	Major Elective Course Operations Research / Applied Statistics/ Automata and formal languages	6	5	3	25	75	10
Part IV	GLSE/GLJ O	Skill Based Courses (Open to all) Self Employment/ Job Oriented courses - Theory	2	2	2	25	75	10



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DEPARTMENT OF MATHEMATICS

PERCENTAGE OF SYLLABUS REVISION

B.Sc. MATHEMATICS (COMPUTER APPLICATIONS)

JUNE 2017 AND LATER

•	GLSEL/ GLJO L	Self Employment/ Job Oriented courses - Practical/Field work/Project	2	2	3	40	60	100
		Library and Information Science	1		-	-	-	-
		Total	30	25				700

7-Polanero: Principal

PRINCIPAL The Standard Fireworks Rejerate an College for Women, SIVAKASI

@ Roslind G

Head of the Department



(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 (COMPUTER APPLICATIONS)

JUNE 2017 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI DEPARTMENT OF MATHEMATICS

COURSES OFFERED FOR OTHER MAJOR STUDENTS

Component	Course Code	Course Title	a -¥		of rs.)	Marks Allotted			
			Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Internal	External	Total	
Semester 1	11								
Part IV	GLMC3N	Non Major Elective Course Numerical Aptitude I	2	2	3	25	75	100	
Semester	iv								
Part IV	GLMC4N	Non Major Elective Course Numerical Aptitude II	2	2	3	25	75	100	
Semester	vi								
Part IV	GLJO70	Skill Based Courses (Open to all) Mathematical Statistics	2	2	3	25	75	100	
	GLJ070L	Mathematical Statistics- Lab	2	2	3	40	60	100	

T.Polanees. Principal

D. huld C. Head of the Department

PRINCIPAL Sundard Fireworks jalatnam College for Women, SIVAKASI



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 2015 AND LATER



(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

B.Sc. MATHEMATICS COMPUTER APPLICATIONS

NEW PROGRAMME INTRODUCED

JUNE 2015 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),

SIVAKASI.

DEPARTMENT OF MATHEMATICS

B.Sc. MATHEMATICS WITH COMPUTER APPLICATIONS

NEW PROGRAMME INTRODUCED

PROGRAMME CODE: 15UMC

(For those who have joined in June 2015 and later)

•	Total Number of New Courses	:43
,	Total Number of Courses	:43
]	Percentage	:100

Signature of the HOD

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

T-Palaneisis Principal

PRINCIPAL The Standard Fireworks Rajaratnam College for Women, SIVAKASI



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DEPARTMENT OF MATHEMATICS

B.Sc. MATHEMATICS COMPUTER APPLICATIONS

NEW PROGRAMME INTRODUCED

JUNE 2015 AND LATER

The Standard Fireworks Rajaratnam College for Women, Sivakasi B.Sc. Mathematics with Computer Applications- Allotment of Hours and Credits (For those who joined in June 2015 and later) Semester Total Subject I п ш IV v VI No.of Credits Part I - Tamil Language Course 6(3) 6(3) 6(3) 6(3) 12 Part II - English Language Course 6(3) 6(3) 6(3) 6(3) Part III - Major and Allied Courses Course I 6(5) 4(3) 5(5) 5(5) 6(5) 6(5) Course II 6(5) 4(3) 4(4)3(2) 4(4) 5(5) Theory Major Course III 6(5) 6(5) Course IV 6(5) ÷ Project --6(5) Lab 3(2) 3(2) 2(1) Practical -Theory 4 (4) 4(4) 4(4) 4(4) --Allied Practical 2(2) 2(1) --**Total No. of Credits** 16(14) 14(12) 14(12) 16(15) 25(21) 25(21) 95 Part IV Non Major/Value Added Courses Peace Education 2(2)Environmental Studies 2(2)L NME I 2(2)II. NME II 2(2)1. Computer literacy -2(2)_ 2. Soft Skill enhancement 2(2)3.. Career Guidance and Subject Viva 2(2) --4. Women Studies -2(2)5. Skill Based Courses : Self ----2(2)Employment / Job Oriented Courses -Theory 6. Skill Based Courses : Self 2(2)Employment / Job Oriented Courses ------Practical / Field work / Project Library and Information Science 1(*) 1(*) **Total No.of Credits** 2 4 2 4 4 4 20 Part V: Extension Activities-Physical Education & Social Awareness Programme NSS/NCC/Physical Education/Extension (*) (1)1 Activities/Youth Red Cross/Social Service League Total 140 Principal D.hu Ind C Head of the Department PRINCIPAL The Standard Fireworks Rajaratnam College for Women, SIVAKASI



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DEPARTMENT OF MATHEMATICS

B.Sc. MATHEMATICS COMPUTER APPLICATIONS

NEW PROGRAMME INTRODUCED

JUNE 2015 AND LATER

		DEPARTMENT OF MATHE B.Sc. MATHEMATICS PROG (For those who have joined in 2 CHOICE BASED CREDIT PROGRAMME CODE - PROGRAMME SCHE	GRAMME 015 and lat SYSTEM - UMC	ter)	1													
eet			8.4	8.4	8. ¥	8.8	8 8	8.4	w	8.4	s sek	sk se	8.3		lis.)	Mai	rks Alle	otted
Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Internal	External	Total										
emester I																		
Part I	14UGT11/ 14UGH11/ 14UGF11	தற்கால இலக்கியம் / Hindi Language Course – I/ French Language Course - I	6	3	3	25	75	100										
Part II	14UGE11	Communicative English-I	6	3	3	25	75	100										
Part III	15UMC11	Major Courses Calculus and Trigonometry	6	5	3	25	75	100										
	15UMC12	AG3D and Vector Calculus	6	5	3	25	75	100										
	15UMC1A	Allied Course Statistics I	4	4	3	25	75	100										
Part IV	14UPE11	Value Added Course Peace Education	2	2	2	25	75	100										
		Total	30	22		-	-	600										
Semester 1	1							-										
Part I	14UGT21/ 14UGH21/ 14UGF21	பக்தி இலக்கியம் / 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										
	15UMC21	Major Courses Theory of equations	4	3	3	25	75	100										
Part III	15UMC22	Numerical Methods	4	3	3	25	75	100										
	15UMC2A	Allied Courses Statistics II	4	4	3	25	75	100										
	15UMC2AL	Statistics Lab	2	2	3	40	60	100										
Part IV	14UES21	Value Added Course Environmental studies	2	2	2	25	75	100										
	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	30	23				900										
emester l	II																	
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										



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B.Sc. MATHEMATICS COMPUTER APPLICATIONS

NEW PROGRAMME INTRODUCED

JUNE 2015 AND LATER

	15UMC31	Major Courses Differential equations	5	5	3	25	75	100
Part III	15UMC32	Linear Programming	4	4	3	25	75	100
	15UMC3A	Allied Course Programming in C	4	4	3	25	75	100
	15UMC3L	Applied Mathematics Lab	3	2	3	40	60	100
Part IV	14U3N/ 15U3N	Non Major Elective I	2	2	3	25	75	100
		Total	30	23				700
Semester			_		1			-
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
	15UMC41	Major Courses Modern Algebra	5	5	3	25	75	100
أعيددي	15UMC42	Sequences and Series	3	2	3	25	75	100
Part III Part IV	15UMC4A	Allied Course Programming in C++	4	4	3	25	75	100
	15UMC4AL	Programming in C++ Lab	2	1	3	40	60	100
	14U4N /15U4N	Non Major Elective II	2	2	3	25	75	100
	14USK41	Value Added Course Soft Skill Enhancement	2	2	-	40	60	100
		Total	30	22				800
Semester	Y							
	15UMC51	Major Courses Real analysis	6	5	3	25	75	100
	15UMC52	Programming in Java	4	4	3	25	75	100
Part III	15UMC5L	Programming in Java lab	3	2	3	40	60	100
	15UMC5E1 / 15UMC5E2/	Major Elective Courses Graph Theory / Number theory and Cryptography/	6	5	3	25	75	100
	15UMC5E3/ 15UMC5E4	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	Value Added Course Women Studies	2	2	2	25	75	100
		Library and Information Science	1	-		-	-	-
		Total	30	25			L	700
Semester '	r							
Part III	15UMC61	Major Courses Complex Analysis	6	5	3	25	75	100



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DEPARTMENT OF MATHEMATICS

B.Sc. MATHEMATICS COMPUTER APPLICATIONS

NEW PROGRAMME INTRODUCED

JUNE 2015 AND LATER

	15UMC62	Linear Algebra	5	5	3	25	75	100
	15UMC6P	Project	6	5	•	-	100	100
°	15UMC6L	Web Designing lab	2	1	3	40	60	100
	15UMC6E1/ 15UMC6E2/ 15UMC6E3	Major Elective Course Operations Research / Applied Statistics/ Automata and formal languages	6	5	3	25	75	100
Part IV	14UJO69 / 15UJO69	Skill Based Courses (Open to all) Mathematical Statistics	2	2	3	25	75	100
	14UJ069L/ 15UJ069L	Mathematical Statistics Lab	2	2	3	40	60	100
		Total	30	25				700

T. Palaversi Principal

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DEPARTMENT OF MATHEMATICS

B.Sc. MATHEMATICS COMPUTER APPLICATIONS

NEW PROGRAMME INTRODUCED

JUNE 2015 AND LATER

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

Component	Course Code Co	1.10	Teaching Hours Per Week		Jo ('S	Marks Allotte		
		Course Title		Credits	Duration of Exam. (Hrs.)	Internal	External	Total
Semester I	11							-
Part IV	14UMC3N/ 15UMC3N	Non Major Elective Course Numerical Aptitude I	2	2	3	25	75	100
Semester	v							-
Part IV	14UMC4N / 15UMC4N	Non Major Elective Course Numerical Aptitude II	2	2	3	25	75	100
Semester	/1		-					-
Part IV	14UJO69 / 15UJO69	Skill Based Courses (Open to all) Mathematical Statistics	2	2	3	25	75	100
	14UJ069L/ 15UJ069L	Mathematical Statistics Lab	2	2	3	40	60	100

T. Palanes: Principal

Defendent C.

PRINCIPAL fhe Standard Fireworks Rejaratnam College for Women, SIVAKASI