

DEPT OF MATHEMATICS SF

Paper Publications 2010-2015

Year	Department	Name & Designation	Title of the Paper
2012-2013	Mathematics (SF)	G.Sindhu	g*s-I Closed Sets in Topological Spaces, International Journal of Computer Applications- Volume-3 (2013) 27-30. ISSN 0975-8887
			A Study on (i,j)g*ssI Closed and Open Sets in Bitopological Spaces, International Journal of Computer Applications- Volume-3 (2013) 32-35. ISSN 0975-8887
			On Regular Pre-Semiclosed Sets in Bitopological Spaces, International Journal of Applied Mathematics- volume 3, Issue 2, 2012. ISSN. 0975 – 7937
2013-2014	Mathematics (SF)	G.Sindhu	On Regular Generalized Star b closed sets, Int. Journal of Mathematical Archive- Volume-4 (10), 2013, 85-92. ISSN. 2229-5046
			On Regular Generalized Star b-Closed Functions, Proceedings of Nirmala Annual Research Congress-(2013), 74-78. ISSN 978-0-9894254-3-8
			On Contra-rg*b-Continuous Functions and approximately-rg*b-Continuous Functions in Topological Spaces, Int. Journal of Mathematical Archive- Volume-4(12), 2013 87-93. ISSN 2229-5046
			Applications of rg*b-open sets, Journal of Global Research in Mathematical Archives- Volume 1, (12),2013 , 40-49. ISSN 2320-5822
			On rg*b-Compactness and Connectedness in Topological Spaces, Int. Journal of Mathematical Archives- Volume 5(2), 2014, 59-64. ISSN. 2229-5046
			rg*b-Separation Axioms, Int. Journal of Computer Application-4(vol 3), 2014 , 146-156. ISSN. 0975-8887
			On rg*b-Locally Closed sets in Bitopological spaces, Journal of Global Research in Mathematical Archives- No. 3, Volume 2 , 2014, 1-7. ISSN.
2014-2015	Mathematics (SF)	G.Sindhu	New Class of rg*b-Continuous Functions in Topological Spaces , Int. Journal of Fuzzy Mathematical Archive- Vol. 5, No. 2, 2015,pp 103- 111. ISSN No. 2320-3250
			On Regular generalized star b closed sets in bitopological spaces. Asian Journal of Current Engineering and Maths- Vol.3, No. 6, 2015, 89-93. ISSN 2277-4920
2012-2013	Mathematics (SF)	L.Elвина Mary	b-separation axioms and τ^b –Topology. International Journal of Computer Application- Volume 3 :49-80 (2013).ISSN 2250-1797
			Separation Axioms via Pre-open sets in Ideal topological spaces. Proceedings of NARC-(2013), 160-162. ISSN 978-0-9894254-3-8
			Pre-connectedness modulo an Ideal. International Journal of Computer Application- Volume 6:14-20 (2013).ISSN 2250-1797

2013-2014	Mathematics (SF)	L.Elвина Mary	(gs)*-Closed Sets in Topological Spaces. <i>International Journal of Mathematical Trends and Technology</i> - Volume 7:83-93 (2014).ISSN. 2231-5373
			(sp)* Closed Sets in Topological Spaces. <i>International Journal of Mathematical Trends and Technology</i> . Volume 7:68-82 (2014) ISSN.No. 2231-5373
			gs*- Closed Sets in Topological Spaces. <i>International Journal of Computer Application</i> .Volume-2:60-74 (2014).ISSN No.2250-1797
2014-2015	Mathematics (SF)	L.Elвина Mary	A Study on (i,j)-(gs)* closed sets in bitopological spaces. <i>International journal of Science and Engineering Research</i> .Volume -3,Issue 1,January 2015.
			Soft g^* -closed sets in Soft Topological spaces. <i>International Journal of Mathematics Trends and Technology</i> . Volume 18:32-39 Feb 2015.ISSN. No.2231-5373.
2012-2013	Mathematics (SF)	A.Arokia Lancy	Generalized soft $g\beta$ closed sets and soft $gs\beta$ closed sets in soft topological spaces . <i>International Journal of Mathematical Archive</i> 4(2), (2013), 17-23. ISSN No.2229-5046
2013-2014	Mathematics (SF)	A.Arokia Lancy	Multi criteria decision making problem with soft expert set. <i>International Journal of Computer Applications</i> 78(15),2013,1-4,ISSN No. 0975-8887
			Fuzzy parameterization for decision making in risk management system via soft expert set. <i>International Journal of Innovative Research and Studies</i> 2(10),2013,339-344. ISSN No. 2919-9725
			On soft β separation axioms. <i>International Journal of Mathematical Research & Science</i> 1(5), 2013,1-7. ISSN No. 2347 - 3975
			A fusion of soft expert set and matrix models, <i>International Journal of Research in Engineering and Technology</i> 2(12),(2013), 531-535, pISSN 2321-7308 ,eISSN 2319-1163.
2014-2015	Mathematics (SF)	A.Arokia Lancy	Soft intuitionistic fuzzy semi- generalized closed sets, <i>International Journal of Mathematical Archive</i> ,5(2),2014,111-116, ISSN No.2229-5046.
			Remarks on soft β locally closed sets, <i>Elixir Adv</i> .70(2014),24312-24317. ISSN No. 2229-712X
			A decisive algorithm for interval valued intuitionistic fuzzy sets via soft sets, <i>Asian Academic Research Journal of Social Science and Humanities</i> , 1(28) ,2014, ISSN No .2278 – 859X.
			Soft interval valued intuitionistic fuzzy semi-pre generalized closed sets, <i>Journal of Global Research in Mathematical Archives</i> , 2(3),2014, ISSN No. 2320-5822.
			Soft interval valued intuitionistic fuzzy semi-pre generalized homeomorphism, <i>Mathematical Sciences International Research Journal</i> , 3(2)2014, 835-837, ISSN No. 2278-8697.
2014-2015	Mathematics (SF)	C.Priyadharshini Infanta	Decision making problem via Fuzzy soft sets , <i>Global Journal for Research Analysis</i> ,4(4),(2015) ,1-3.
2015-2016	Mathematics (SF)	C.Priyadharshini Infanta	A New Class of Contra Mappings in soft topological spaces, <i>International Journal of Mathematical Archive</i> , 6(6), (2015).

B.Sc. MATHEMATICS WITH COMPUTER APPLICATIONS

SYLLABUS

(For the candidates admitted from 2013 onwards)

Sem	Title of the Paper	Instructional Hrs	Credits Points	Exam Duration	Marks		
					CIA	ESE	MAX
I	Tamil I/ Hindi I/ French I	6	3	3	30	70	100
	Functional English Paper I	6	3	3	30	70	100
	Core Paper I – Classical Algebra and Trigonometry	5	4	3	30	70	100
	Core Paper II – Calculus	5	4	3	30	70	100
	Allied I – Digital Computer Systems	6	5	3	30	70	100
Part IV	Value Education	2	2	2	30	50	50
II	Tamil II/ Hindi II/ French II	6	3	3	30	70	100
	Functional English Paper II	6	3	3	30	70	100
	Core Paper III – Differential Equations and Laplace Transforms	5	4	3	30	70	100
	Core Paper IV – Discrete Mathematics	5	4	3	30	70	100
	Allied II – PC Software	6	5	3	40	60	100
Part IV	Environmental Studies	2	2	2	-	50	50
III	Core Paper VI – Numerical Methods	5	4	3	30	70	100
	Core Paper VII – Programming in C (Theory)	3	4	3	30	70	100
	Core Paper V - Mechanics	5	4	3	30	70	100
	Core Paper VIII – Programming in C (Practical)	6	4	3	40	60	100
	Allied III – Principles of Accountancy	6	5	3	30	70	100
Part IV	Basic Tamil / Advance Tamil / Non Major Elective (General Awareness)	2	2	2	-	70	75
Part IV	Skill Based Subject - I	3	2	3	30	70	100
IV	Core Paper IX – Operations Research	5	4	3	30	70	100
	Core Paper X – Programming in C++ (Theory)	3	4	3	30	70	100

	Core Paper XI – Programming in C++ (Practical)	6	4	3	40	60	100
	Core Paper XII – Computational Statistics and Probability	5	4	3	30	70	100
	Allied IV – Accounting for Decision Making	6	5	3	30	70	100
Part IV	Basic Tamil / Advance Tamil / Non Major Elective (Human Rights)	2	2	3	-	70	75
Part IV	Skill Based Subject II	3	2	3	30	70	100
	Core Paper XIII – Real Analysis	5	4	3	30	70	100
V	Core Paper XIV – Visual Basic Programming (Theory)	4	4	3	30	70	100
	Core Paper XV – Modern Algebra	5	4	3	30	70	100
	Elective I – Data Structures	5	5	3	30	70	100
	Elective I – Applied Mathematical Skills	5	5	3	30	70	100
Part IV	Skill Based Paper III	3	2	3	30	70	100
Part IV	Skill Based Paper IV	3	2	3	30	70	100
	Core Paper XVI – Complex Analysis	6	4	3	30	70	100
	Core Paper XVII – Internet and Web Designing (Theory)	5	4	3	30	70	100
	Core Paper XVIII – Visual Basic & Internet and Web Designing (Practical)	8	4	3	40	60	100
	Elective III – Statistical Quality Control	5	5	3	30	70	100
Part IV	Skill Based Paper V	3	2	3	30	70	100
Part IV	Skill Based Paper VI	3	2	3	30	70	100
Part V	Extension Activities	-	1	3	-	-	50
	Total	180	140				3800

DEPT OF MATHEMATICS (SF)

SYLLABUS

(For the candidates admitted from June 2014 onwards)

SEM	PART	CODE	TITLE OF THE PAPER	CP	EX HR S	MARKS		TOT
						CIA	ES E	
I	I	12UTAM10 1	TAMIL PAPER I	3	3	30	70	100
		12UHIN101	HINDI PAPER I					
		12UFRE101	FRENCH PAPER I					
	II	12UGEN10 1	GENERAL ENGLISH I	3	3	30	70	100
		12UAEN10 1	ADVANCED ENGLISH I					
	III	12UMA1C0 1	CORE:CLASSICAL ALGEBRA AND TRIGONOMETRY	4	3	30	70	100
	III	12UMA1C0 2	CORE:CALCULUS	4	3	30	70	100
	III	12UPH1A0 1	ALLIED: PHYSICS PAPER I	3	3	25	50	75
	IV	12UVAL10 1	VALUE EDUCATION	2	2	-	50	50
II	I	12UTAM20 2	TAMIL PAPER II	3	3	30	70	100
		12UHIN202	HINDI PAPER II					
		12UFRE202	FRENCH PAPER II					
	II	12UGEN20 2	GENERAL ENGLISH II	3	3	30	70	100
		12UAEN20 2	ADVANCED ENGLISH II					
	III	12UMA2C0 3	CORE:DIFFERENTIAL EQUATIONS AND LAPLACE TRANSFORMS	4	3	30	70	100

	III	12UMA2C0 4	CORE:DISCRETE MATHEMATICS	3	3	30	70	100
	III	12UPH2A0 2	ALLIED: PHYSICS PAPER II	3	3	25	50	75
		12UPH2AP 1	ALLIED PRACTICAL: PHYSICS	4	3	20	30	50
	IV	12UENS202	ENVIRONMENTAL STUDIES	2	2	-	50	50
III	I	12UTAM30 3	TAMIL PAPER III	3	3	30	70	100
		12UHIN303	HINDI PAPER III					
		12UFRE303	FRENCH PAPER III					
	II	12UGEN30 3	GENERAL ENGLISH III	3	3	30	70	100
		12UAEN30 3	ADVANCED ENGLISH III					
	III	12UMA3C0 5	CORE:MECHANICS	4	3	30	70	100
	III	14UMA3C0 6	CORE: COMPUTER PROGRAMMING IN C	4	3	30	70	100
	III	12UMA3A0 5	ALLIED: STATISTICS FOR MATHEMATICS I	5	3	30	70	100
	IV	12UBTA30 1	BASIC TAMIL I	2	2	35	40	75
		12UATA30 1	ADVANCED TAMIL I					
		12UNME30 1	GENERAL AWARENESS					
	IV	12UMA3SB 1	SBE: QUANTITATIVE APTITUDE I	2	3	30	70	100
IV	I	12UTAM40 4	TAMIL PAPER IV	3	3	30	70	100
		12UHIN404	HINDI PAPER IV					
		12UFRE404	FRENCH PAPER IV					
	II	12UGEN40	GENERAL ENGLISH IV	3	3	30	70	100

		4						
		12UAEN40 4	ADVANCED ENGLISH IV					
	III	12UMA4C0 7	CORE:ANALYTICAL GEOMETRY – 3D AND VECTOR CALCULUS	3	3	30	70	100
	III	14UMA4CP 1	CORE PRACTICAL: CLOUD COMPUTING MODELS FOR REAL TIME APPLICATIONS	4		40	60	100
	III	12UMA4A0 6	ALLIED: STATISTICS FOR MATHEMATICS II	5	3	30	70	100
	IV	12UBTA40 2	BASIC TAMIL II	2	2	35	40	75
		12UATA40 2	ADVANCED TAMIL II					
		12UNME40 2	HUMAN RIGHTS	2	3	30	70	100
	IV	12UMA4SB 2	SBE: QUANTITATIVE APTITUDE II	2	3	30	70	100
V	III	12UMA5C0 8	CORE:ABSTRACT ALGEBRA	5	3	30	70	100
	III	12UMA5C0 9	CORE:REAL ANALYSIS I	5	3	30	70	100
	III	12UMA5C1 0	CORE:COMPLEX ANALYSIS I	5	3	30	70	100
	III	12UMA5E0 1	ELECTIVE:OPERATIONS RESEARCH	5	3	30	70	100
	III		NON MAJOR ELECTIVE:					
	IV	12UMA5SB 3	SBE : NUMERICAL METHODS I	2	3	30	70	100
	IV		SBE :	2	3	30	70	100
VI	III	12UMA6C1 1	CORE:LINEAR ALGEBRA	5	3	30	70	100
	III	12UMA6C1 2	CORE:REAL ANALYSIS II	5	3	30	70	100
	III	12UMA6C1 3	CORE:COMPLEX ANALYSIS II	5	3	30	70	100

	III	12UMA6E0 2	ELECTIVE: OPTIMIZATION TECHNIQUES AND IT APPLICATIONS	5	3	30	70	100
	IV	12UMA6SB 4	SBE: NUMERICAL METHODS II	2	3	30	70	100
	IV		SBE:VI	2	3	30	70	100
	V		EXTENSION ACTIVITIES	1	-	-	-	50

B.Sc MATHEMATICS (SF)

FOR THE CANDIDATES ADMITTED DURING JUNE 2015

SEM	PART	CODE	TITLE OF THE PAPER	CP	EX HR S	MARKS		TOT
						CIA	ES E	
I	I	14UTAM10 1	TAMIL PAPER I	3	3	25	75	100
		14UHIN101	HINDI PAPER I					
		14UFRE101	FRENCH PAPER I					
	II	14UGEN10 1	GENERAL ENGLISH I	3	3	25	75	100
		14UAEN10 1	ADVANCED ENGLISH I					
	III	15UMA1C0 1	CORE:CLASSICAL ALGEBRA	4	3	25	75	100
	III	14UMA1C0 2	CORE:CALCULUS	4	3	25	75	100
III	14UPH1A0 1	ALLIED: PHYSICS PAPER I	3	3	25	50	75	
IV	14UVAL10 1	VALUE EDUCATION	2	2	-	50	50	
II	I	14UTAM20 2	TAMIL PAPER II	3	3	25	75	100
		14UHIN202	HINDI PAPER II					
		14UFRE202	FRENCH PAPER II					
	II	14UGEN20 2	GENERAL ENGLISH II	3	3	25	75	100
		14UAEN20 2	ADVANCED ENGLISH II					
	III	14UMA2C0 3	CORE:DIFFERENTIAL EQUATIONS AND LAPLACE TRANSFORMS	4	3	25	75	100
	III	14UMA2C0 4	CORE:DISCRETE MATHEMATICS	3	3	25	75	100

	III	14UPH2A0 2	ALLIED: PHYSICS PAPER II	3	3	25	50	75	
	III	14UPH2AP 1	ALLIED PRACTICAL: PHYSICS	4	3	20	30	50	
	IV	14UENS202	ENVIRONMENTAL STUDIES	2	2	-	50	50	
III	I	14UTAM30 3	TAMIL PAPER III	3	3	25	75	100	
		14UHIN303	HINDI PAPER III						
		14UFRE303	FRENCH PAPER III						
	II	14UGEN30 3	GENERAL ENGLISH III	3	3	25	75	100	
		14UAEN30 3	ADVANCED ENGLISH III						
	III	14UMA3C0 5	CORE:MECHANICS	4	3	25	75	100	
	III	15UMA3C0 6	CORE: COMPUTER PROGRAMMING IN C	4	3	25	75	100	
	III	14UMA3A0 5	ALLIED: STATISTICS FOR MATHEMATICS I	5	3	25	75	100	
	IV	IV	14UBTA30 1	BASIC TAMIL I	2	2	35	40	75
			14UATA30 1	ADVANCED TAMIL I			25	50	
14UNME30 1		GENERAL AWARENESS	2	3	-	75	75		
14UMA3SB 1		SB I: QUANTITATIVE APTITUDE I	2	3	30	70	100		
IV	I	14UTAM40 4	TAMIL PAPER IV	3	3	25	75	100	
		14UHIN404	HINDI PAPER IV						
		14UFRE404	FRENCH PAPER IV						
	II	14UGEN40 4	GENERAL ENGLISH IV	3	3	25	75	100	
		14UAEN40	ADVANCED ENGLISH IV						

		4						
	III	15UMA4C0 7	CORE:ANALYTICAL GEOMETRY OF 2D AND 3D	3	3	25	75	100
	III	15UMA4C0 8	CORE: TRIGNOMETRY AND VECTOR CALCULUS	4		40	60	100
	III	14UMA4A0 6	ALLIED: STATISTICS FOR MATHEMATICS II	5	3	25	75	100
	IV	14UBTA40 2	BASIC TAMIL II	2	2	35	40	75
		14UATA40 2	ADVANCED TAMIL II			25	50	
		14UNME40 2	HUMAN RIGHTS	2	3	-	75	75
	IV	14UMA4SB 2	SB II: QUANTITATIVE APTITUDE II	2	3	25	75	100
V	III	15UMA5C0 9	CORE:ABSTRACT ALGEBRA	5	3	25	75	100
	III	15UMA5C1 0	CORE:REAL ANALYSIS I	5	3	25	75	100
	III	15UMA5C1 1	CORE:COMPLEX ANALYSIS I	5	3	25	75	100
	III	15UMA5E0 1	ELECTIVE:OPERATIONS RESEARCH	5	3	25	75	100
	III		NON MAJOR ELECTIVE:	5	3	25	75	100
	IV	14UMA5SB 3	SB III : NUMERICAL METHODS I	2	3	25	75	100
	IV		SB IV	2	3	25	75	100
VI	III	15UMA6C1 2	CORE:LINEAR ALGEBRA	5	3	25	75	100
	III	15UMA6C1 3	CORE:REAL ANALYSIS II	5	3	25	75	100
	III	15UMA6C1 4	CORE:COMPLEX ANALYSIS II	5	3	25	75	100
	III	15UMA6E0 3	ELECTIVE: OPTIMIZATION TECHNIQUES AND IT APPLICATIONS	5	3	25	75	100

	IV	14UMA6SB 4	SB V: NUMERICAL METHODS II	2	3	25	75	100
	IV		SB VI	2	3	25	75	100
	V		EXTENSION ACTIVITIES	1	-	-	-	50