

UNIVERSITY OF MADRAS
INSTITUTE OF DISTANCE EDUCATION
BSc MATHEMATICS
Under Choice Based Credits System
(With effect from the academic year 2018-2019)

SCHEME OF EXAMINATION

SEMESTER I		SUBJECTS	CREDIT	Max Marks		TOTAL
COURSE COMPONENT				INT	EXT	
Part I	Paper-I					
Part II	Paper-I	English	3	25	75	100
Part III	Core Paper-I	Algebra	4	25	75	100
	Core Paper-II	Trigonometry	4	25	75	100
	Allied Paper- I	Calculus of Finite Differences	3	25	75	100

SEMESTER II		SUBJECTS	CREDIT	Max Marks		TOTAL
COURSE COMPONENT				INT	EXT	
Part I	Paper-II					
Part II	Paper-II	English	3	25	75	100
Part III	Core Paper-III	Differential Calculus	5	25	75	100
	Core Paper-IV	Analytical Geometry	4	25	75	100
	Allied Paper-II	Mathematical Economics	3	25	75	100

SEMESTER III		SUBJECTS	CREDIT	Max Marks		TOTAL
COURSE COMPONENT				INT	EXT	
Part I	Paper-III					
Part II	Paper-III	English	3	25	75	100
Part III	Core Paper-V	Integral Calculus	5	25	75	100
	Core Paper-VI	Differential Equations	4	25	75	100
Part IV	NME-I	Public Relations	2	25	75	100

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SEMESTER IV		SUBJECTS	CREDIT	Max Marks		TOTAL
COURSE COMPONENT				INT	EXT	
Part I	Paper-IV			Tamil or other language	3	
Part II	Paper-IV	English	3	25	75	100
Part III	Core Paper-VII	Transform Techniques	4	25	75	100
	Core Paper-VIII	Mechanics	4	25	75	100
Part IV	NME-II	Basics of Psychology	2	25	75	100

SEMESTER V		SUBJECTS	CREDIT	Max Marks		TOTAL
COURSE COMPONENT				INT	EXT	
Part III	Core Paper-IX			Algebraic Structures	4	
	Core Paper-X	Real Analysis-I	4	25	75	100
	Core Paper-XI	Discrete Mathematics	4	25	75	100
	Core Elective-I	Mathematical Modeling	3	25	75	100
Part IV		Environmental Studies	2	25	75	100

SEMESTER VI		SUBJECTS	CREDIT	Max Marks		TOTAL
COURSE COMPONENT				INT	EXT	
Part III	Core Paper-XII			Linear Algebra	4	
	Core Paper-XIII	Real Analysis-II	4	25	75	100
	Core Paper-XIV	Complex Analysis	4	25	75	100
	Core Elective-II	Operations Research	3	25	75	100
Part IV		Value Education	2	25	75	100

Course component		No. of paper x Credit(s)	Total	
Part I	Language Paper(4)	4x3	12	
Part II	English(4)	4x3	12	
Part III	Core paper(12)	12x4	48	
	Core paper(2)	2x5	10	
	Allied(2)	2x3	06	
Part IV	Elective(2),	2x3	06	
	NME(2),EVS(1),VE(1)	4x2	08	102
