



**UNIVERSITY OF MADRAS**  
**INSTITUTE OF DISTANCE EDUCATION**  
**BSc MATHEMATICS**

<b>SEMESTER I</b>		<b>SUBJECTS</b>	<b>CREDIT</b>	<b>Max Marks</b>		<b>TOTAL</b>
<b>COURSE COMPONENT</b>				<b>INT</b>	<b>EXT</b>	
Part I	Paper-I			Tamil or other language	3	
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

<b>SEMESTER II</b>		<b>SUBJECTS</b>	<b>CREDIT</b>	<b>Max Marks</b>		<b>TOTAL</b>
<b>COURSE COMPONENT</b>				<b>INT</b>	<b>EXT</b>	
Part I	Paper-II			Tamil or other language	3	
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

<b>SEMESTER III</b>		<b>SUBJECTS</b>	<b>CREDIT</b>	<b>Max Marks</b>		<b>TOTAL</b>
<b>COURSE COMPONENT</b>				<b>INT</b>	<b>EXT</b>	
Part I	Paper-III			Tamil or other language	3	
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



:2:

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