

BLUEPRINT

SUBJECT: ADVANCED MATHEMATICS (E)

MAXIMUM MARKS: 90 (Theory)

PASS MARKS: 27(Theory)

CLASS: X

TIME: 3 HOURS

SI No	OBJECTIVES-» Type of Question	KNOWLEDGE				UNDERSTANDING				APPLICATION				SKILL			SUB TOTAL	TOTAL
		MCQ (1m)	SA-I (2m)	SA-II (3m)	LA (4/5)	MCQ (1m)	SA-I (2m)	SA-II (3m)	LA (4/5)	MCQ (1m)	SA-I (2m)	SA-II (3m)	LA (4/5)	SA-I (2m)	SA-II (3m)	LA (4/5)		
1 Algebra	(i) Sets	1(2)					2(1)	3(2)									10	58
	(ii) Complex Number					1(1)	2(1)	3(1)	4(1)					2(1)			12	
	(iii) Arithmetic of Integers			3(1)		1(1)		3(1)	5(1)								12	
	(iv) Quadratic Equation					1(1)	2(1)		4(1)			3(1)					10	
	(v) Application of Common Logarithm	1(1)				1(1)		3(1)									05	
	(vi) Permutation and Combination	1(1)					2(1)	3(1)				3(1)					09	
2 Trigonometry	(vii) Plane Trigonometry	1(1)		3(1)				3(1)							3(1)		10	10
3 Geometry	(viii) Plane Geometry		2(1)				2(1)		5(1)						3(1)		12	22
	(ix) Coordinate Geometry			3(1)		1(1)						4(1)	2(1)				10	
SUB-TOTAL		5(5)	2(1)	9(3)		5(5)	10(5)	21(7)	18(4)			6(2)	4(1)	4(2)	6(2)		90	90
Total		16 (18% approx.)				54 (60%)				10 (11% approx.)				10 (11% approx.)				

(Form/Type)	Weightage to Forms of Questions:	Marks	No. of Questions	Total Marks	Difficulty Level:	N.B.
	Multiple Choice Question (MCQ)	01	10	10	Difficult- 20%	Figures in the brackets indicate the number of questions and figures out side the bracket are the marks.
	Short Answer type Question (SA-I)	02	08	16	Average- 50%	
	Short Answer type Question (SA-II)	03	14	42	Easy- 30%	
	Long Answer type Question (LA)	04/05	03/02	22	Scheme of option: Internal	