

II PUC BASIC MATHEMATICS (CODE - 75)

BLUE PRINT

Unit	Title of the chapter	No. of teaching hours	Part A	Part B	Part C	Part D	Part E		Total Marks
			1 Mark	2 Mark	3 Mark	5 Mark	4 Mark	6 Mark	
UNIT - I	ALGEBRA (42 hrs)								
	Matrices & Determinants	13	2	1	2	1	-	-	15
	Permutations & Combinations	08	2	1	1	-	-	-	07
	Probability	05	1	1	1	-	-	-	06
	Binomial Theorem	06	-	-	-	1	1	-	09
	Partial Fraction	04	-	-	-	1	-	-	05
	Mathematical Logic	06	2	1	-	1	-	-	09
UNIT - II	COMMERCIAL ARITHMETIC (34 hrs)								
	Ratios & Proportions	10	2	1	1	1	-	-	12
	Bill Discounting	06	1	1	1	-	-	-	06
	Stocks & Shares	04	1	-	1	-	-	-	04
	Learning Curve	04	1	-	-	1	-	-	06
	Linear Programming Problem	06	-	-	-	1	-	-	05
	Sales Tax & Value Added Tax	04	1	-	1	-	-	-	04
UNIT - III	TRIGONOMETRY (12 hrs)								
	Heights & Distances	04	-	-	-	-	1	-	04
	Compound angle, multiple angle, sub multiple angle & transformation formulae	08	1	2	-	1	-	-	10
UNIT - IV	ANALYTICAL GEOMETRY (10 hrs)								
	Circles	06	1	-	-	-	-	1	07
	Parabola	04	1	1	1	-	-	-	06
UNIT - V	CALCULUS (42 hrs)								
	Limits & continuity of a function	08	1	1	-	-	-	1	09
	Differential Calculus	10	1	1	1	1	-	-	11
	Application of Derivative	08	1	1	2	-	-	-	09
	Indefinite Integrals	08	1	1	2	-	-	-	09
	Definite Integrals & its Application to Areas	08	-	1	-	1	-	-	07
		140 hrs	20	14	14	10	02	02	150