

BLUE PRINT OF QUESTION PAPER

(INSTRUCTIONS TO PAPER SETTER)

B.A./B.Sc. MATHEMATICS SEMESTER-IV, PAPER-V

LINEAR ALGEBRA

NOTE: - Paper Setter Must select TWO Short Questions and TWO Easy Questions from Each Unit as Follows

PAPER	TOPICS	5 MARKS QUESTIONS	10 MARKS QUESTIONS
UNIT – I	Subspace	1 (Theorem)	1 (Theorem)
	Linear Combination, Linear dependent and Independent	1 (Problem)	1 (Theorem)
UNIT – II	Basis and f.d.v.s	1 (Problem) 1 (Theorem)	1 (Problem) 1 (Theorem)
UNIT – III	Linear Transformation	2 (Problems)	-
	Range, Null Space, Rank	-	1 (Theorem) 1 (Problem)
UNIT – IV	Rank of a Matrix Method of consistency	2 (Problems)	-
	Eigen Values and Vectors Cayley-Hamilton theorem(only problems)	-	1 (Problem) 1 (Problem)
UNIT – V	Inner Product Space	1 (Problem) 1 (Theorem)	2 (Theorems)