

B.COM (MATHEMATICS - BUSINESS MATHEMATICS)

Skill enhancement course

Semester-1 (2024-25)

LESSON PLAN

Course Content:

Month: July - November

Weeks	Topics
July (Week 1)	Number system - Natural numbers, prime numbers, real numbers, Even & odd numbers, Rational numbers, Irrational numbers, Integers - HCF & LCF- problems on Multiplication, division, addition, subtraction, HCF and LCM
August (Week 2)	Equations - Meaning and types of equation - Linear equation - Meaning and problems.
August (Week 3)	Doubt session and Class test.
August (Week 4)	Simultaneous equations - Meaning and problems with only two variable.
August (Week 5)	Elimination method and Substitution method.
September (Week 6)	Quadratic equations - Meaning and problems under Factorisation and formula method.
September (Week 7)	Doubt session and Class test.
September (Week 8)	Matrices - definition, types, algebra of matrices, determinants, adjoint of a matrix, inverse matrix.
September (Week 9)	Applications of matrices to solution of simple business and economic problems.
October (week 10)	Doubt session and Class test.
October (Week 11)	Percentage - difference between percent and percentage, calculation of percentage, Ratio and proportion, types of ratio, types of proportions and world problems.
October (Week 12)	Doubt session and Class test.
October (Week 13)	Commercial mathematics - Discount, bankers gain, interest- meaning and kinds, problems on calculation of simple interest & compound interest - Annuity - meaning and types of Annuity.
November (Week 14)	Doubt session and Class test.
November (Week 15)	Revision

