

## BUSINESS MATHEMATICS - II

### Unit I

Plane Analytical Geometry: Cartesian coordinate system: Length of a Line Segment – Section Formulae (ratio) – Gradient of a straight Line – Equations of a Straight Line

### Unit II

Arithmetic, Geometric and Harmonic Progressions

### Unit III

Integral Calculus : Integration, Meaning and Rules of Integration – Integration by Substitution and by Parts – Indefinite and Definite Integration – Applications in Business (Trigonometric Functions to be excluded)

### Unit IV

Interpolation : Binomial, Newton and Lagrange's Methods

### Unit V

Matrices – Meaning and operations – Matrix inversion – Solutions to Linear Equations – Payroll, Wages and Commission

### REFERENCE BOOKS

1. Business Maths – P.R. Vittal
2. Business Maths – D.C. Sancheti and V.K. Kapoor
3. Business Maths – B.M. Agarwal
4. Business Maths and Statistics – A.P. Verma
5. Business Mathematics – R.S. Soni

### QUESTION PAPER PATTERN: (No Theory Questions)

Pattern	Problems	Total Questions	To answer	Marks per Question	Total Marks
Section A	12	12	10	2	20
Section B	7	7	5	5	25
Section C	4	4	2	15	30

### Instructions to Paper Setter:

Section-A: Minimum 2 Questions to be asked from each of the five Units

Section-B: Minimum 1 Question to be asked from each of the five Units

Section-C: Minimum 1 Question to be asked from any four Units