BC-205

BUSINESS MATHEMATICS-II

External Marks: 80
Internal Marks: 20
Time: 3 Hours

Note: Paper setter will set nine questions in all. Question No. 1 comprising of five short types questions carrying four (4) marks each is compulsory. It covers the entire syllabus. Answer to each question should not be more than one page. Candidate is required to attempt four questions from the remaining eight questions carrying 15 marks each.

Permutations and Combinations Binomial Theorem
Linear inequalities: graphical solution of linear equalities in two variables, solution of system of linear inequalities in two variables.

Linear programming-formulation of equation: graphical method of solution; problems relating to two variables including the case of mixed constraints; cases having no solution, multiple solutions, unbounded solution and redundant constraints.

Data representation and interpretation: introduction, classification and tabulation of data, Diagrammatic and graphic representation of data: significance of diagrams and graphs, Types of diagrams: bar diagram, pie chart, pictographs, graphs of time series or line graphs; graphs of frequency distribution: histogram, frequency polygon, ogives or cumulative frequency curves, limitations of diagrams and graphs.

REFERENCES

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- Kapoor, V.K. : Business Mathematics; Sultan Chand & Sons, Delhi.
- Loomba Paul: Linear Programming; Tata McGraw Hill, New Delhi.
- Soni, R.S. : Business Mathematics; Pitamber Publishing House.
- Vohra, N.D. : Quantitative Techniques in Management; Tata McGraw Hill, New Delhi.
- Gupta, S.C. Kapoor, V.K.: Fundamentals of Mathematical Statistics; S. Chand & Sons, Delhi.