

Lesson Plan

Name of the Teacher: Natasha
Class: B.Com. I
Session: Jan-June 2024
Internal Marks: 15

Subject: Business Mathematics
Semester: II
External Marks: 35

Course Objectives

1. To introduce the students about the applications of derivatives, integration and linear programming in commerce.

Course Outcome

After completing this course, the learner will be able to:

1. gain the knowledge to find derivatives simple functions related to commerce problems, attain skills to use application of derivatives in evaluating maxima and minima.
2. learn to find integration of simple functions related to commerce and economic problems, attain skills to use application of integration in business and commerce problems.
3. apply binomial theorem, learn the concept and applications of permutations and combinations.
4. learn the concept of Linear programming and formulation of linear programming problems related to business and commerce.

Month	Tentative Dates	Topic
February	12.02.24 to 17.02.24	Differentiation; derivative of simple functions and other functions (excluding trigonometric functions) having applications in business studies
	19.02.24 to 23.02.24	Maxima and minima of Revenue, Cost, Demand, Production,
	26.02.24 to 29.02.24	Profit functions and other functions related to business and commerce
March	01.03.24 to 09.03.24	Integration: Definite and indefinite (simple functions excluding trigonometric functions),
	11.03.24 to 16.03.24	basic rules of integration
	18.03.24 to 22.03.24	application of integration in commercial and business problem
	23.03.24 to 31.03.24	HOLI BREAK
April	01.04.24 to 06.04.24	Binomial Theorem;
	08.04.24 to 13.04.24	Permutations and Combination
	15.04.24 to 20.04.24	Permutations and Combination & Assignment
	22.04.24 to 30.04.24	Linear programming: Formulation of linear programming problems (LPP) and
May	01.05.24 to 11.05.24	Their solution by graphical and simplex methods,
	13.05.24 to 18.05.24	Applications of linear programming in solving problems related to business and commerce.
	20.05.24 to 25.05.24	Applications of linear programming in solving problems related to business and commerce.
	27.05.24 to 31.05.24	Revision and Test

Teacher's Signature

Head/Coordinator Signature