Course Outcomes of courses offered by Department of Mathematics and Statistics

Business Mathematics I

After completion of this course, the learners will be able to:

1. Solve problems in the areas of business calculus, simple and compound interest account, loan and consumer credit.

2. Undertake necessary computations for problems of interest and annuities.

3. Evaluate and select financial arrangements which are best for a consumer.

4. Demonstrate and use calculus in the areas of Commerce, Economics and Finance.

Business Mathematics II

After completion of this course, the learners will be able to:

1. Analyze and relate acquired mathematical concepts to problems in Business and Economics.
2. Solve problems on general aptitude and logical reasoning in view of various competitive examinations.
3. Demonstrate ability to solve system of equations and its applications in Operations Research.
4. Apply mathematical logic in reasoning and constructing mathematical arguments to provide proofs.

Mathematical Techniques in Competitive Exams
The student will be able to,

1. Apply mathematical techniques in solving problems.
2. Identify tricks in solving problems quickly.
3. Employ various strategies to solve problems arising in various competitive exams.
4. Manage time in answering several questions appearing in the exam.

Descriptive Statistics

The student will be able to,

1. Understand concepts of sample v/s. population and Identify different types of scales.

2. Distinguish between primary and secondary data and Organize the Statistical data.

3. Calculate measures of central tendencies and variations.

4. Interpret correlation and regression.

Business Statistics I

After completion of this course, the learners will be able to:

1. Carry out a basic data analysis using descriptive statistics and appropriate statistical graphics.

2. Understand the concept of sampling distributions and identify appropriate way of collecting samples based on population.

3. Construct a reliable questionnaire based on objectives of a research study.

4. Measure and establish association between business variables using correlation analysis and regression analysis for business decision making and forecasting.

Business Statistics II (VET)

After completion of this course, the learners will be able to:

1. Demonstrate concepts of probability and its applications in a business context using both technical and non-technical language.

2. Understand discrete and continuous random variables and be able to use their distributions to compute probabilities.

3. Use hypothesis testing as a tool for statistical decision making in a business context

4. Understand the difference between parametric and non-parametric tests and identify appropriate tool based on a statistical hypothesis.