

**M.E.S. Vasant Joshi College of Arts and Commerce, Zuarinagar-Goa**

**Academic Year 2025-26**

**DEPT. OF MATHEMATICS AND STATISTICS**

**B.COM. Course Outcomes**

**B.COM SEMESTER I**

**Mathematics SEC 2- Business Mathematics I**

**Course Code: COM- 142**

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

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

CO- 2: Undertake necessary computations for problems of interest and annuities, perpetuities, capitalized cost, depletion allowances, stocks and bonds.

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

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

**Mathematics MC 3- Mathematical Techniques in Competitive Exams**

**Course Code: MAT-131**

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

CO- 1: Apply mathematical techniques in solving problems.

CO- 2: Identify tricks in solving problems quickly.

CO- 3: Employ various strategies to solve problems arising in various competitive exams.

CO- 4: Manage time in answering several questions appearing in the exam.

**B.COM SEMESTER II**

**Mathematics SEC- Business Mathematics II**

**Course Code: COM- 147**

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

Course Outcomes:

CO-1: Analyse and relate acquired mathematical concepts to problems in Business and Economics

CO-2: Solve problems on general aptitude and logical reasoning in view of various competitive examinations.

CO-3: Demonstrate ability to solve system of equations and its applications in Operations Research.

CO-4: Apply mathematical logic in reasoning and constructing mathematical arguments to provide proofs.

**Mathematics MC- Descriptive Statistics****Course Code: MAT-132**

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

CO-1: Understand concepts of sample v/s. population and identify different types of scales.

CO-2: Distinguish between primary and secondary data and Organize the Statistical data.

CO-3: Calculate measures of central tendencies and variations.

CO-4: Interpret correlation and regression.

**B. COM SEMESTER III****Mathematics Minor - Business Statistics I****Course Code: COM- 213**

The students will be able to:

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

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

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

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

**B. COM SEMESTER IV****Mathematics Minor Business Statistics II****Course Code: COM- 223**

The students will be able to:

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

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

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

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



  
**Dr. Manasvi M. Kamat**  
**Professor and Principal**