

Veer Narmad South Gujarat University

Quantitative Methods-III

S.Y. B.B.A., Semester III

Effective from June 2012

OBJECTIVES:

1. The course is designed to impart the basic knowledge of statistics, to acquaint the students with the practical utility of the subject with special reference to business and commerce and equip them with those statistical tools and techniques which shall provide them the necessary background for the applications of these techniques in different areas of management.

PEDAGOGIC TOOLS:

Lectures, Practical examples from business world, assignments & presentations.

COURSE CONTENT: -Topics with Weightage

- 1. Probability** (10%)
 - Definition and Theorems on Probability without proof
 - Practical Examples on probability
- 2. Mathematical Expectation** (10%)
 - Practical Examples on mathematical expectation
- 3. Probability Distributions** (20%)
 - Binomial Distribution
 - Poisson Distribution
 - Normal Distribution
 - Practical examples on all the distribution
- 4. Correlation** (20%)
 - Definition and Properties of Correlation
 - Practical Examples
 - Examples on Bivariate Table
- 5. Regression** (20%)
 - Overview and Properties of Regression
 - Practical Examples
 - Examples on Bivariate Table
- 6. Time series** (20%)
 - Different types of trends
 - Method of Graph
 - Method of Moving average
 - Method of Least square (Linear and Parabola)

Reference Books:

1. Fundamentals of statistics : S.C. Gupta
2. Statistics for management : Richard I. Levin and David S. Rubin
3. Complete Business Statistics : Amir D. Aczel and Jayavel Sounderpandian
4. Statistics for Management : Anand Sharma
5. Statistics for Business and Economics : R P Hooda