

BBA II Year – III Semester
Department of Commerce and Business Management, Kakatiya University, Warangal
BBA307: Business Statistics - II

Max. Marks: 80UE+20IA

Unit – I: Analysis of Time Series: Meaning and Uses – Components of Time Series – Measurement of Trend and Seasonal Variations.

Unit – II: Linear Programming: Application to Linear Programming – General Linear Programming Problems – Formulation of Linear Programming Theorem of Linear Programming (Only statement) _ Basic Solution – Slack and Surplus Variables – Simplest methods (Subject to not more than two variables).

Unit- III: Statistical Quality Control: Control Charts – C- Charts – P- Charts – R- Charts – SD Charts – setting up a Control Procedure.

Unit – IV: Statistical Decision Theory: Decision Theory Introduction – Meaning and Definition – Steps in Decision Theory – Ingredients of Decision Problem: Acts, States of Nature and Events, Pay off table, Opportunity Loss Table.

Unit – V: Theory of Probability and Probability Distributions – Probability Meaning and Definition of Probability – Approaches – Axioms – Additive and Multiplicative Theorems – Conditional Probability Theorem.

Suggested Readings:

1. S.P. Gupta : Statistical Methods
2. N.D. Vohra : Quantitative Techniques in Management
3. Kothari C.R. : Quantitative Techniques
4. Gupta S.C. : Fundamentals of Statistics
5. Freund and William : Modern Business Statistics.