

FC: 405: Business Statistics-II (Core Course)

Theory: Credit: 4 (100 %)

Total

Marks: 100

Unit	Topics Covered	Wt.
I	Probability: Sample space, event, probability of and event addition and multiplication rules, independent events.	20%
II	Mathematical expectation & Probability distribution: Idea of a random variable and its Mathematical expectation. Probability distribution and their applications.	20%
III	Large & small sample tests: Large & small sample tests, Analysis of variance one-way & two-way classifications with one observation per cell regression.	30%
IV	Sampling methods Sample surveys & basic concepts of simple random sampling, stratified random sampling : Two Stage sampling, Systematic and cluster sampling.	20%
V	Statistical quality control : Charts for variables and attributes Elementary acceptance sampling plans, single sampling plan for attributes.	10%

Reference Books:

1. Practical Business Statistics Frederick F. Croxton & Dudley Asia publishing House.
2. Modern Business Statistics John B. Freund & Frank, J. Williams, Modern Asia Edition
(Prentice Hall Inc. Charles E. Tuttlles)
3. Statistics : Methods & Analysis, Lincol L. Chao, McGraw-Hill Book Co. (international Student Edition)
4. Statistics Analysis for business Decision, William A. Supurr & Charles P. Bonini Richard D.
Triwin Inc. Home wood, illunoise.
5. Wheldon's Business statistics and Statistics Method G.L. Thrikettle Macdonald & Evansm Ltd.
6. Statistics for Economic and Business, Donald W. Paden E.F. Lindquist, McGraw-Hill Book Co, India.