

INTERNAL ASSESSMENT (TERM WORK)

50 MARKS

UNIVERSITY EXAMINATION

50 MARKS

FOCUS :

- Principles of probability and Statistics as related to Urban Planning.

CONTENTS :

- Introduction: Treatment of data, Pareto diagrams, dot diagrams and frequency distributions
- Probability – sample spaces and events
- Axioms of probability, elementary theorems, mathematical expectation and decision-making.
- Probability distribution – Random variables, binomial distribution, mean and variance.
- Probability densities – continuous random variables, normal distribution, Normal approximation to binomial distribution.
- Sampling distributions – Population and samples, sampling distribution & the Mean,
- T-and F-distribution
- Inferences – Point and interval estimation, Tests of Hypotheses, Hypotheses concerning one mean, statistical inference: mean, standard deviation & proportion.

REFERENCES :

Sr. No.	Title	Author
01	Understanding Statistics in Behavioral Sciences	Pagamo
02.	Probability	Peter Whittle
03.	Statistics for Geo Scientists	Saroj K. Pal
04.	Statistical Analysis for Decision Making	Morris Hamburg
05.	Introduction to Probability	John E. Freund