

Roll No.

Subject Code—8172-X

M.B.A. EXAMINATION

(Second Semester)

(Re-appear Prior to Batch 2009)

CP-205

STATISTICAL ANALYSIS

Time : 3 Hours

Maximum Marks : 100

Section A

Note : Attempt any *Seven* questions. **7×7=49**

1. Discuss Baye's theorem.
2. What do you mean by non-parametric tests ?
3. List the sources of secondary data.
4. Explain the concept of skewness.

5. Explain the properties of Mode.
6. Give the concept of Statistical Quality Control.
7. Discuss briefly about Chi-square test.
8. Explain the concept of Regression.
9. Discuss the concept of Hypothesis.
10. Explain the uses of index numbers.

Section B

Note : Attempt all questions.

3×17=51

11. Explain the various issues involved in Statistical Estimation and Testing.

Or

What is an Optimal Decision ? How does statistical decision theory help in arriving at such a decision ?

12. How is sample enquiry different from census enquiry ? Compare merits and demerits of these two. What are the methods of probability sampling ?

Or

What is significance of measuring dispersion ? Explain measures of dispersion.

13. What is the probability that a leap year selected at random will contain either 53 Thursdays or 53 Fridays ?

Or

Calculate the Karl Pearson's Coefficient of Correlation for the following data :

X : 23 27 28 28 28 30 30 33 35 38

Y : 18 20 22 27 21 29 27 29 28 29