

Roll No. ....

Subject Code—2187

**M.B.A. EXAMINATION**

(Second Semester)

(2 Years—New Scheme)

CP-205

**STATISTICAL ANALYSIS**

*Time : 3 Hours*

*Maximum Marks : 100*

**Note :** Attempt any *Five* questions. All questions carry equal marks.

1. What do you understand by Univariate Analysis ? Also differentiate between the dispersion and skewness.
2. A problem in statistics is given to three students Ram, Mohan and Shyam. Their chances of solving it are 0.2, 0.3, 0.4 respectively. What is the probability that problem is solved ?

3. In a normal distribution, 7 per cent items are below 35 and 89 per cent are below 63. Find the mean and standard deviations of the distribution.
4. What is Sampling ? Discuss sampling methods in detail.
5. Differentiate the following :
  - (a) Sampling and non-sampling errors
  - (b) Type I and Type II error
  - (c) Parametric and Non-Parametric tests
  - (d) Primary and Secondary Sources of Data
  - (e) Process control and Product Control.
6. What is Estimation ? Discuss desirable properties of good estimator.
7. What do you mean by Statistical Hypothesis ? Discuss hypothesis testing procedure in detail.
8. Write notes on the following :
  - (a) Statistical Quality Control
  - (b) Problems in Construction of under numbers.