K 2238

SECOND SEMESTER M.A. DEGREE EXAMINATION, MAY/JUNE 2002

Branch : Personnel Management

RESEARCH AND STATISTICS FOR MANAGEMENT

Time : Three Hours

Maximum : 75 Marks

Part I

Answer any **five** *questions.*
All questions carry equal marks.
Answers should not exceed 300 words.

1. Describe the scientific method in social research.

2. What is problem formulation and what are the steps in the formulation of a problem ?

3. Point out the characteristics of a good hypothesis. Give an example.

4. Discuss the different steps involved in report writing.

5. Briefly describe the administrative aspects of research studies.

6. Distinguish between classification and tabulation.

7. Discuss the steps involved in applying the Chi-square test.

8. In a factory 10 % of the workers are ladies and 25 % are graduates. 20 % of the ladies are graduates. A worker is chosen at random to be sent for a training. What is the probability that the selected worker is a lady and graduate ?

(5 × 6 = 30 marks)

Part II

Answer any **three** *questions.*
All questions carry equal marks.
Answer should not exceed 1200 words.

9. What are projective techniques ? Explain their use in research studies.

10. Describe the experimental design. What is its advantage over the descriptive design ?

11. Explain briefly the salient features of Likert's scale and Thrustone's scale.

12. Explain the term "Sampling design". Discuss stratified random sampling and its use in social research.

13. Calculate Karl Pearson's co-efficient of correlation between X and Y for the following data.

X	:	1	2	3	4	5	6	7
Y	:	6	8	11	9	12	10	14

(3 × 15 = 45 marks)