

MAY 2012

P/ID 364/PGD

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Time : Three hours

Maximum : 100 marks

SECTION A — (5 × 8 = 40 marks)

Answer any FIVE questions.

All questions carry equal marks.

Each answer should not exceed 300 words.

1. Elucidate the qualities of a good research.
2. Describe the types of hypothesis.
3. Explain the basic principles of experimental designs.
4. Write a note on methods of random sampling.
5. Explain the limitations of testing of hypotheses.
6. How is sample size determined?
7. Explain the procedure followed for computing correlation coefficient.
8. State the outline of a technical report.

SECTION B — (3 × 20 = 60 marks)

Answer any THREE questions.

All questions carry equal marks.

Each answer should not exceed 1,200 words.

9. Discuss the steps involved in research process.
10. Describe the important concepts relating to research design.
11. Delineate the steps involved in one way ANOVA. Give an example.
12. Differentiate parametric from Non-parametric tests.
13. Discuss the layout of Research report.