

MAY 2012

P/ID 37507/PBAG

Time : Three hours

Maximum : 80 marks

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

All questions carry equal marks.

1. What is Research Design?
2. Explain Research Ethics.
3. What do you mean by Sampling Design?
4. What are the characteristics of good hypotheses?
5. Explain Type I error and Type II error.
6. Define coding.
7. Write short notes on appendix.
8. Define a research report.

PART B — (4 × 10 = 40 marks)

Answer any FOUR questions.

9. Explain the different types of research.
10. Discuss different data collection methods.

11. Explain the different scaling techniques.
12. Explain classification and tabulation.
13. Discuss different parts of the research report.
14. Write a business letter to a company about your product to fix them as a distributor.

PART C — (1 × 15 = 15 marks)

Compulsory.

15. The table given below shows the data obtained during outbreak of smallpox :

	Attacked	Not attacked	Total
Vaccinated	31	469	500
Not Vaccinated	185	1315	1500
Total	216	1784	2000

Test the effectiveness of vaccination in preventing the attack from smallpox. Test your result with the help of chi-square test at 5% level of significance. (Chi-square values 3.841, 5.991 and 7.815 for $V = 1, 2$ and 3 respectively @ 5% significance level).