Candidates are required to give their answers in their own words as far as practicable.
The figures in the margin indicate full marks.

Group-A

Answer any *four* questions :   5×4=20

1. What do you mean by research? Explain its significance in modern times.   5

2. Briefly describe the different steps involved in a research process.   5

3. Distinguish between Research methods and Research methodology.   5

4. In a sample of 400 people, 172 were males. Estimate the population proportion at 95% confidence level.   5

5. Briefly describe the problem of multicollinearity.   5

6. What are the alternative approaches of determining a sample size? Explain.   5

Group-B

Answer any *two* questions : 10×2=20

7. Discuss the four types of measurement scales. 10

8. Clearly explain the difference between collection of data through questionnaires and schedules.
   10

9. The procedure of testing a hypothesis requires a researcher to adopt several steps. Describe in brief all such steps. 10

10. How will you differentiate between descriptive statistics and inferential statistics? Describe the important statistical measures often used to summarise the survey/research data. 5+5

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