

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.

M.A. - END SEMESTER EXAMINATIONS NOVEMBER - 2022

SEMESTER - II

20PHRCT2006 - Research Methods

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section A

Answer any **SIX** questions ($6 \times 5 = 30$ Marks)

1. Define Research and indicate the objectives of research.
2. Discuss the steps to construct questionnaire.
3. Categorise the measures of central tendency.
4. Describe types of research reports.
5. What are the benefits of sampling?
6. Classify the 4 different types of scales.
7. The breaking strength (in pounds) of a random sample of 10 ropes made by a manufacturer is given by 163, 165, 165, 160, 171, 158, 151, 162, 169, 172. Use the sign test to test the manufacturer's claim that the average breaking strength of a rope is greater than 160 pounds at 5% level of significance.
8. Write short notes on the need for Appendix and bibliography.

Section B

Part A

Answer any **TWO** questions ($2 \times 10 = 20$ Marks)

9. Explain the research process in detail.
10. Classify and discuss Probability and Non-probability sampling.
11. Compare the different sources of primary data and secondary data collection.
12. Analyse the importance of the following:
 - A) One way ANOVA test
 - B) Chi-Square test

Part B

Compulsory question ($1 \times 10 = 10$ Marks)

13. Organize and present the contents required in a research report.

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