



'সমানো মন্ত্র: সমিতি: সমানী'

UNIVERSITY OF NORTH BENGAL
B.Sc. Programme 5th Semester Examination, 2023

SEC2-P1-STATISTICS
RESEARCH METHODOLOGY

Time Allotted: 2 Hours

Full Marks: 60

The figures in the margin indicate full marks.

GROUP-A

1. Answer any **four** questions from the following: 3×4 = 12
- (a) What is a case study?
 - (b) What is Pilot Survey?
 - (c) What is longitudinal research?
 - (d) Distinguish between Research method and Research methodology.
 - (e) What is scientific research?
 - (f) What are the main objectives of research?

GROUP-B

2. Answer any **four** questions from the following: 6×4 = 24
- (a) Briefly discuss the qualitative and quantitative research with examples.
 - (b) What are the characteristics of survey and experimental research?
 - (c) What are the techniques of data interpretation?
 - (d) What is research? Discuss the role of research in important areas.
 - (e) Explain the fundamental research and applied research.
 - (f) Discuss about the survey methods of research.

GROUP-C

3. Answer any **two** questions from the following: 12×2 = 24
- (a) What do you mean by sampling? What are objectives of sampling? Briefly discuss about the various types of sampling. 3+3+6
 - (b) Explain the concept of research design, and needs and components of research design. 12
 - (c) What is action research? Discuss its characteristics. How the action research is conducted? 2+3+7
 - (d) What is research proposal? Discuss the steps followed in research proposal. 2+10

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