



'समानो मन्त्रः समितिः समानी'

UNIVERSITY OF NORTH BENGAL

B.Sc. Programme 3rd Semester Examination, 2023

SEC1-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 scientific research?
 - (b) What are the main objectives of research?
 - (c) What is Pilot Survey?
 - (d) What is a case study?
 - (e) Distinguish between Research method and Research methodology.
 - (f) What is longitudinal research?

GROUP-B

2. Answer any **four** questions from the following: 6×4 = 24
- (a) Briefly describe the different steps involved in a research process.
 - (b) Discuss interview as a technique of data collection.
 - (c) How does the case study differ from the survey method? Analyse the merits and limitations of case study method.
 - (d) What are the desirable qualities of a research problem?
 - (e) Explain fundamental research and applied research.
 - (f) Explain processing of data and significance in research.

GROUP-C

3. Answer any **two** questions from the following: 12×2 = 24
- (a) Explain different method of data collection with its advantages and disadvantages.
 - (b) Describe fully the techniques of defining a research problem.
 - (c) What do you mean by sampling? What are objectives of sampling? Briefly discuss about the various type of sampling.
 - (d) Clearly explain the difference between collection of data through questionnaires and schedules.

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