



'समानो मन्त्रः समितिः समानी'

**UNIVERSITY OF NORTH BENGAL**  
B.Sc. Programme 3rd Semester Examination, 2022

**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 Pilot Survey?
  - (b) Distinguish between Research method and Research methodology.
  - (c) What is longitudinal research?
  - (d) What is case study?
  - (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) Discuss interview as a technique of data collection.
  - (b) What are the desirable qualities of a research problem?
  - (c) Explain fundamental research and applied research.
  - (d) Explain processing of data and its significance in research.
  - (e) Briefly describe the different steps involved in a research process.
  - (f) How does the case study differ from the survey method? Analyse the merits and limitations of case study method.

**GROUP-C**

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

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