



'समानो मन्त्रः समितिः समानी'

**UNIVERSITY OF NORTH BENGAL**  
B.Sc. Programme 5th Semester Examination, 2021

**SEC2-P1-STATISTICS**

**RESEARCH METHODOLOGY**

Time Allotted: 2 Hours

Full Marks: 60

*The figures in the margin indicate full marks.  
All symbols are of usual significance.*

**GROUP-A**

1. Answer any **four** questions from the following: 3×4 = 12
- (a) What is case study?
  - (b) What is scientific research?
  - (c) Distinguish between Research methods and Research methodology.
  - (d) What are the criteria of good research?
  - (e) Describe qualitative and quantitative measures with example.
  - (f) What is longitudinal research?

**GROUP-B**

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

**GROUP-C**

3. Answer any *two* questions from the following: 12×2 = 24
- (a) How does a descriptive type of research design differ from exploratory research design?
  - (b) What are the desirable qualities of a research problem?
  - (c) Explain different methods of data collection with its advantages and disadvantages.
  - (d) What do you mean by sampling? What are objectives of sampling? Briefly discuss about the various type of sampling.

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