

U.G. 3rd Semester Examination-2024**STATISTICS****[Skill Enhancement Course (SEC)]****Course Code : ST-SEC-T-3****(Research Methodology)****[NEP-2020]****Full Marks : 35****Time : 1½ Hours***The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.**Notations and symbols have their usual meaning.***1... Answer any five questions:****1×5=5**

- a) Define attribute with an example.
- b) What are frequency type data?
- c) What is null hypothesis?
- d) What is pie diagram?
- e) What are multivariate data?
- f) What is simulation?
- g) What is model validation?
- h) What are the important characteristics of a good report?

[Turn over]

2. Answer any **two** questions: $5 \times 2 = 10$

- a) Describe the questionnaire method of data collection.
- b) Discuss different characteristics of a good research.
- c) What is inferential statistics? Discuss its different approaches.
- d) Discuss the objectives of data modeling.

3. Answer any **two** questions: $10 \times 2 = 20$

- a) What are primary and secondary data? Give a comparative study of diagrammatic and tabular representation of data.
 - b) Discuss different steps of writing the report of a research.
 - c) Discuss different steps of data processing.
 - d) Discuss different types of models. What are the objectives of modeling?
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