

U.G. 4th Semester Examination - 2022**STATISTICS****[HONOURS]****Skill Enhancement Course (SEC)****Course Code : STAT-H-SEC-T-2****(Research Methodology)**

Full Marks : 25(20+5)

Time : 2 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.*

1. Answer any **two** questions: $5 \times 2 = 10$
- a) Describe the case study method of data collection.
 - b) Explain the need and importance of pilot survey before conducting a large scale sample survey.
 - c) What is inferential statistics? Discuss its different approaches.
 - d) Explain the term 'Research Postulate'.

2. Answer any **one** question: $10 \times 1 = 10$

- a) Discuss different steps involved in data modeling and validation.
- b) What is the difference between frequency type data and non-frequency type data? Discuss different diagrammatic representations of non-frequency type data.

[Internal Assessment: 5]
