

U.G. 6th Semester Examination - 2021**STATISTICS****[PROGRAMME]****Skill Enhancement Course (SEC)****Course Code : STAT-G-SEC-1D****(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.**Notations and symbols have their usual meanings.*

1. Answer any **two** questions: 5×2=10
 - a) “A good research should be logical” – Discuss.
 - b) What is pie diagram? Explain its use in diagrammatic representation of data.
 - c) Describe some of the important research designs used in experimental hypothesis testing research study.
 - d) Describe the case study method of data collection.
2. Answer any **one** question: 10
 - a) Explain the following in the context of sampling:
 - i) Random sampling

ii) Pilot survey.

- b) Describe the different points to be kept in mind while writing a research report.

[Internal Assessment : 5]

[Turn over]