U.G. 4th Semester Examination - 2020

STATISTICS

[HONOURS]

[Skill Enhancement Course]

[Research Methodology]

Course Code: STAT(H)-SEC-T-2

Full Marks: 20

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 meaning.

1. Answer any **two** questions:

 $5\times2=10$

- a) What is meant by research? Explain its significance in modern times.
- b) What is pilot survey? Explain its importance in survey sampling.
- c) Describe some of the important research designs used in experimental hypothesistesting research study.
- d) Describe the role of different graphical representations of data.

2. Answer any **one** question:

n) Explain the meaning of the following in context of research design:

- i) Extraneous variable
- ii) Experimental and Control groups.
- b) Describe the different types of research, clearly pointing out the difference between an experiment and a survey.

(5 marks for Internal Assessment)

[2]