

BE (AII) / Sem VIII / R-19 / SK 2023 / 16-12-2023

(3 Hours)

Total Marks: 80

Note:

Qp code 37BD

1. Question No. 1 is compulsory.
2. Attempt any **THREE** out of the remaining **FIVE** questions.
3. Assume suitable data if necessary.

- Q. 1.** Write short notes on **any FOUR** questions. (20)
- (a) Survey methods
 - (b) Ex post facto research
 - (c) Construction of the questionnaire
 - (d) Research and scientific method
 - (e) Significance of case study in research.
- Q. 2.** (a) Define any ten terminologies used in the research process. (10)
- (b) Which precautions a researcher should take while collecting data? (10)
- Q. 3.** (a) Explain the procedure for hypothesis testing. (10)
- (b) Explain 'Interview as a technique of data collection'. (10)
- Q. 4.** (a) What do you mean by 'Sample Design'? What points should be taken into consideration by a researcher in developing a sample design for his research project? (10)
- (b) Explain the procedure of data analysis. (10)
- Q. 5.** (a) Give your understanding of a good research design. Is a single research design suitable in all research studies? If not, why? (10)
- (b) Explain ethics in research. (10)
- Q. 6.** Write short notes on: (Any Four) (20)
- (a) Pilot study in qualitative research.
 - (b) Various types of data errors.
 - (c) Paradigms of Action Research Projects
 - (d) Types of survey errors.
 - (e) Sections of report writing.