2024
B.A./B.Sc.
Fourth Semester
SKILL ENHANCEMENT COURSE – 2
STATISTICS
Course Code: STS 4.11
(Statistical Techniques for Research Methods)

Total Mark: 35   *Pass Mark: 14*
Time: 2 hours

Answer <u>five</u> questions, taking <u>one</u> from each unit.

UNIT–I

1. (a) Discuss the significance of research.   3
   (b) Write a note on the process of formulating a research problem.   4

2. (a) What is a research problem?   3
   (b) State the criteria of a good research.   4

UNIT–II

3. (a) Explain briefly the need for a research design.   3
   (b) Write a note on the different parts of research design.   4

4. (a) Write a note on the features of a good design.   1
   (b) What are the different categories of research design? Explain each of them.   6

UNIT–III

5. (a) Mention two sources of secondary data.   2
   (b) Write a note on case study method mentioning its advantages and limitations.   5

6. (a) Write a note on three methods of primary data collection.   3
   (b) What are the factors to be considered in selection of appropriate method of data collection?   4

UNIT–IV

7. (a) Differentiate between census and sample survey. 2
   (b) What are the two causes of incorrect inferences? Write a note on the causes of systematic bias in sampling? 1+4=5

8. (a) What do you understand by probability and non-probability samplings? 2
   (b) Write a note on the different types of statistical analysis. 5

UNIT–V

9. (a) What is coding? Write the advantages of coding. 2+1=3
   (b) Write a note on the principles of tabulation. 4

10. (a) What are the different types of classification in processing of data? 2
    (b) What do you understand by interpretation? Write down the techniques of interpretation. 1+4=5

———————————