

2023
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 five questions, taking one from each unit.

UNIT-I

1. (a) Define research. What are the possible motives of doing research? 3+2=5
(b) Write briefly about the purpose or objectives of research. 2
2. (a) Write notes on different types of research. 4
(b) Distinguish between research methods and research methodology. 3

UNIT-II

3. (a) What do you understand by research design? Briefly explain. 3
(b) What are the four parts of a research design? Write briefly on each of them. 4
4. (a) What are the features of a good design? 1
(b) Write a note on different types of research design. 6

UNIT-III

5. (a) What is a questionnaire? 2
(b) Write down three merits and two demerits of a questionnaire. 5
6. (a) Write briefly about schedule. 3
(b) What are the differences between a questionnaire and a schedule? 4

UNIT-IV

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| 7. (a) What is sample design? | 3 |
| (b) What are the steps involved in sample design? | 4 |
| 8. (a) What do you understand by sampling errors? | 2 |
| (b) What are the different probability sampling designs? | 5 |

UNIT-V

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| 9. (a) Why processing of data is essential? | 1 |
| (b) What are the steps under processing operations of data? | 6 |
| 10. (a) What are the different categories of data analysis? | 1 |
| (b) Write briefly about different types of multivariate analysis. | 6 |
