

U.G. 3rd Semester Examination - 2023**GEOGRAPHY****[HONOURS]****Course Code : GEO-H-CC-T-06****(Statistical Methods in Geography)****[New Syllabus under CBCS]****Full Marks : 40****Time : 2½ 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.***UNIT-I****(Marks : 20)****1. Answer any three of the following : 2×3=6**

- a) What are discrete data?
- b) What are primary data?
- c) What is meant by relative frequency in statistics?
- d) What is class width?
- e) What is sampling?

[Turn over]

2. Answer any one of the following : $4 \times 1 = 4$

- a) Distinguish between ordinal and nominal data with examples.
- b) State the merits and demerits of purposive sampling.

3. Answer any one of the following : $10 \times 1 = 10$

- a) Elaborate the significance and methods of systematic and stratified samplings with examples. $4 + 6 = 10$
- b) Discuss the different sources of secondary data. Specify the advantages and limitations of secondary data. $6 + 4 = 10$

UNIT-II

(Marks : 20)

4. Answer any three from the following : $2 \times 3 = 6$

- a) What is central tendency?
- b) What is meant by dispersion in statistics?
- c) What is coefficient of variation?
- d) What is meant by time series data?
- e) What is mean deviation?

5. Answer any one from the following : $4 \times 1 = 4$

- a) Differentiate correlation from regression.
- b) What are quartiles and deciles in statistics?

6. Answer any one from the following : $10 \times 1 = 10$

- a) Discuss the advantages and disadvantages of mean and mode as measures of central tendency. $5 + 5 = 10$
- b) Elucidate the basic properties of standard deviation and specify its applications and limitations. $6 + 4 = 10$