

**U.G. 3rd Semester Examination - 2024****GEOGRAPHY****[HONOURS]****Course Code : GEO-H-CC-T-06****(Statistical Methods in Geography)****[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 is cumulative frequency in statistics?
  - b) What is class width?
  - c) What is purposive sampling?
  - d) What is sample in statistics?
  - e) What is primary data?

*[Turn over]*



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

- a) Distinguish between primary and secondary sources of data.
- 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) State the properties and applications of standard normal distribution.

## UNIT-II

(Marks : 20)

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

- a) What is standard deviation?
- b) What is meant by time series data?
- c) What are quartiles?
- d) What is range?
- e) What is mean deviation?

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

- a) Differentiate correlation from regression.
- b) Highlight the uses of coefficient of variation.

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

- a) Elaborate the properties of correlation coefficient and linear regression.
- b) Discuss the advantages and disadvantages of mean and mode as measures of central tendency.

$5 + 5 = 10$