

U.G. 3rd Semester Examination - 2022**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 questions :****2×3=6**

- a) Distinguish between discrete and continuous data.
- b) Define population in statistics.
- c) What is cumulative frequency in statistics?
- d) What is sample in statistics?
- e) What is purposive sampling?

[Turn over]

2. Answer any one from the following questions:

$$4 \times 1 = 4$$

- a) Differentiate simple random sampling from stratified random sampling with examples.
- b) Distinguish between primary and secondary sources of data.

3. Answer any one from the following questions:

$$10 \times 1 = 10$$

- a) State the properties and applications of standard normal distribution.
- b) Explain the importance and application of scales of measurement in Statistics with suitable examples.

UNIT-II

(Marks : 20)

4. Answer any three from the following questions:

$$2 \times 3 = 6$$

- a) What is time series analysis?
- b) What is bimodal distribution?
- c) What is standard deviation?
- d) What is range?
- e) What are quartiles?

5. Answer any one from the following questions:

$$4 \times 1 = 4$$

- a) Highlight the uses of coefficient of variation.
- b) Mention the properties of median.

6. Answer any one from the following questions:

$$10 \times 1 = 10$$

- a) Discuss the advantages and disadvantages of mean deviation as a measure of dispersion.
- b) Elaborate the properties of correlation coefficient and linear regression.