

# বিদ্যাসাগর বিশ্ববিদ্যালয় VIDYASAGAR UNIVERSITY

# **Question Paper**

# **B.Sc. Honours Examinations 2022**

(Under CBCS Pattern)

### Semester - IV

# Subject: GEOGRAPHY

Paper: SEC-2 T

Full Marks : 40 Time : 2 Hours

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

## (Research Methods)

Group - A

Answer any *four* from the following questions.

5×4=20

1. Write the significance of literature review in geographical research.

- 2. What is referencing? How does it differ from bibliography?
- 3. What do you mean by Hypothesis? Why hypothesis building is necessary in geographical research?
- 4. Mention the graphical techniques of geographical data representation with examples.

5. Write the significance of abstract and keywords in a research paper.

6. Mention different sources of geographical data.

#### Group - B

Answer any *two* from the following questions.  $10 \times 2=20$ 

7. Narrate the methods of primary data collection with suitable examples.

8. Briefly discuss the ethical principles involved in geographical research.

9. Elaborate standard structure of a research report with examples.

51

10. Explain the various techniques of quantitative data analysis in geography with examples.

#### (3)

#### OR

#### (Advanced Spatial Statistical Techniques)

#### Group - A

Answer any *four* from the following questions.  $5 \times 4=20$ 

1. Distinguish between descriptive and inferential statistics.

- 2. Compare random sampling with non-random sampling.
- 3. Describe the term "Probability Distribution". How does the Binomial Distribution differ from the Poissons Distribution?
- 4. Differentiate parameters from statistics.
- 5. Write the importance of Time Series analysis in geographical study.
- 6. Write the fundamental principles of least square method for addressing regression problem.

#### Group - B

Answer any *two* from the following questions.  $10 \times 2=20$ 

- 7. Write short note on multi-variate analysis and its importance in geographic studies.
- 8. Define normal probability distribution. Explain the properties of a Standard Normal Curve with proper illustration.
- 9. Briefly describe the principles of selecting suitable methods of probability sampling based on the nature of the population.
- 10. Explain different types of correlation with suitable examples.