



বিদ্যাসাগর বিশ্ববিদ্যালয়

VIDYASAGAR UNIVERSITY

B.Sc. Honours Examination 2021

(CBCS)

4th Semester

GEOGRAPHY

PAPER—SEC2T

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

SEC2T : RESEARCH METHODS

Answer any *two* questions.

2×15

1. Clearly state the objectives of any environment related research problem and prepare a sample questionnaire on that problem.
2. Mention different types of data and briefly enumerate the methods of data collection.

3. Discuss in brief the different techniques of data representation with suitable examples.
4. Mention briefly the different steps for writing a good research report.

Answer any *one* question.

1×10

5. What do you mean by Research Ethics? State the significance of literature review in research.
6. Write a research Abstract within 300 words on any research problem citing five to six key words.

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SEC2T : ADVANCED SPATIAL STATISTICAL TECHNIQUES

Answer any *one* question.

2×15

1. Write the differences between population and sample. Write the different types of sampling method with example. 2+13
2. Write the importance of Time Series analysis in geographical study. Write the principle of least square method of linear regression analysis of bi-variate data. 5+10
3. What is Correlation? Find out the 'r' with following variables and comment it. 2+13

Rain fall in cm (X)	5	13	24	12	20	23	27	29	11	15
Wheat Productivity in Kg/Hectors (Y)	41	50	70	45	60	62	75	85	52	50

Answer any *one* question.

1×10

4. What do you mean probability? Write the properties and characteristics of normal distribution of probability. 2+8
 5. Write short note on multi-variate analysis and its importance on geography. What do you mean residual of regression? 7+3
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