2019

B.Sc. (Hons.)

4th Semester Examination

GEOGRAPHY (Hons.)

Paper—SEC-2T

Research Methods

Full Marks : 40   Time : 2 Hours

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

Group-A

Answer all questions from the
following   5×2=10

1. Define the term Geographical Enquiry.

2. Mention two difference between bibliography and reference ?

3. What is "Hypothesis in research ?"

4. What is the necessity of data editing in research ?

5. Write a short note on 'citation'.

Group-B

Answer any *four* questions   4×5=20

6. What are the steps of preparing a sample questionnaire ?

7. Explain different methods of primary data collection with example.

8. Explain the role of literature review in a research.

9. Explain the purpose of the literature Review.

10. Mention the objectives of references and bibliography in research work.

Group-C

Answer any *one* question   1×10=10

11. Illustrate different types and sources of data with example.

12. How a research report is prepared ? What should be its structure ?

Advanced Spatial Statistical Techniques

Group-A

Answer all questions from the
following   5×2=10

1. Distinguish between Positive and Negative correlation.

2. What do you mean by Areal Random Sampling ?

3. What is trend line ?

4. What do you mean by spatial and non-spatial data ?

5. What is normal curve ?

Group-B

Answer any *four* questions from the
following   4×5=20

6. How do you characterise the Binomial and Normal Probability distribution ?

7. Differentiate between Random Sampling and Stratified Sampling techniques.

8. State the advantages and disadvantages of Regression Analysis.

9. *What do you mean by residual from regression?* What are positive and negative residuals ?

[Turn Over]

10. Discuss the geographical application of poisson distribution citing examples.

11. What is 'sampling plan' ? What it is required ?

Group-C

Answer any *one* question from the following $1 \times 10 = 10$

12. What is regression ? How does it help us in studying the co-rrelation between two variables ? Differentiate between Product Moment and Rank co-rrelation co-efficient. $3+3+4=10$

13. What is the meaning of Time Series Analysis ? Explain the necessity of analysing time series data. Describe the various components of time series. $3+3+4=10$