

(4)

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-rrrelation between two variables ? Differentiate between Product Moment and Rank co-rrrelation 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. $3+3+4=10$

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UG/4th Sem/GEO/H/19

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 $5 \times 2 = 10$

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'.

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(2)

Group-B

Answer any *four* questions $4 \times 5 = 20$

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 $1 \times 10 = 10$

11. Illustrate different types and sources of data with example.
12. How a research report is prepared ? What should be its structure ?

(3)

Advanced Spatial Statistical Techniques

Group-A

Answer all questions from the following $5 \times 2 = 10$

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 $4 \times 5 = 20$

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 ?

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