

B.Sc./4th Sem (H)/GEO/24(CBCS)

2024

4th Semester Examination

GEOGRAPHY (Honours)

Paper : SEC 2-T

[CBCS]

Full Marks : 40

Time : Two Hours

The figures in the margin indicate full marks.

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

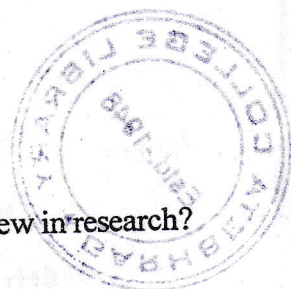
(Research Methods)

Group - A

Answer any *five* of the following questions : $2 \times 5 = 10$

1. What is 'Hypothesis' in research?
2. Define 'Research Gap'.
3. Define the term 'data' and 'information'.
4. Mention the importance of keywords.
5. What is the necessity of data editing in research?
6. Differentiate between primary and secondary data.

P.T.O.



7. What is plagiarism?

8. What is the importance of Literature review in research?

Group - B

Answer any **four** of the following questions : $5 \times 4 = 20$

9. What are the steps of preparing the sample questionnaire?

10. What is the structure of a research report?

11. Mention the graphical techniques of geographical data representation with examples.

12. What are the various techniques of data representation?

13. What is the difference between bibliography and references?

14. How to write a proper research objective?

Group - C

Answer any **one** of the following questions : $10 \times 1 = 10$

15. What are the various methods of data collection?

16. Elaborate standard structure of a research report with suitable examples.

(3)

OR

[Advanced Spatial Statistical Techniques]

Group - A

Answer any *five* questions form the following : $2 \times 5 = 10$

1. State the concept of Random Variable.
2. What is Uniform Distribution?
3. Distinguish between Spatial and Non-Spatial Data.
4. What is covariance?
5. What is Sampling Error?
6. What is best fit line?
7. What is probability sampling?
8. What do you mean by Binomial distribution?

Group - B

Answer any *four* questions form the following : $5 \times 4 = 20$

9. What are residuals from a Regression model? State the implication of residuals in regression model.
10. State the merits and demerits of Moving Average Method in brief.
11. Write a note on the Secular Trend in the analysis of a time series data.

P.T.O.

(4)

12. Mention properties of a linear regression model.
13. Write a short note on sampling distribution.
14. Write merits and demerits of least square method.

Group - C

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

15. Discuss the advantages of sampling method over Census method of collection of statistical information. Discuss any two ways of drawing Random Sample. 4+6
 16. Critically discuss implication of the trend line with special reference to moving average.
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