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GIH 451

Second Semester M.Sc. Degree Examination, September/October 2022
(CBCS)
GEOINFORMATICS
Database Management System and Spatial Statistics

Time : 3 Hours

Max. Marks : 70

I. Define **any five** of the following : **(5×2=10)**

- 1) Database
- 2) Logical operators
- 3) Constants
- 4) Central tendency
- 5) Q-Mode
- 6) Spatial data
- 7) SPSS.

II. Write short notes on **any five** of the following : **(5×4=20)**

- 8) Components of database.
- 9) Projection operators.
- 10) Buffering of blocks.
- 11) Variables and data types.
- 12) Cluster analysis.
- 13) Factor analysis.
- 14) Statistical packages.

III. Answer the **any four** of the following : **(4×5=20)**

- 15) Write a note on File Directories and File Storage.
- 16) Explain the Database Recovery Techniques.
- 17) Explain the correlation co-efficient and its applications.
- 18) Write a note on spatial data.
- 19) Write short note on functions of SPSS.

P.T.O.



IV. Essay type questions :

(2×10=20)

- 20) Discuss the basics of database models and also write a note on data mining and data warehousing.

OR

Describe the one-dimensional and two-dimensional arrays and write a note on declaring and initializing arrays.

- 21) Discuss the cluster analysis and interpretation of Q-mode and R-mode clusters with reference to spatial data.

OR

Describe the SPSS and also write a note on functions and applications of SPSS in geoinformatics.
