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.

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.

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