Register Number:

6028

Name of the Candidate:

M.Sc. DEGREE EXAMINATION - 2010

(GEO-INFORMATICS)

(SECOND YEAR)

(PAPER – X)

640. GEOGRAPHIC INFORMATION, GIS PACKAGES AND GEOINFORMATICS APPLICATIONS

December)   (*Time: 3 Hours*

Maximum: 100 Marks
Answer ALL questions.   **(5 × 20 = 100)**
Each answer should be in about 1,500 words.

1. (a) Write an essay on components of GIS and Development of GIS.
   (OR)
   (b) Explain elements of spatial data and data various data structure.

2. (a) Explain GIS and GPS integrated analysis and its applications.
   (OR)
   (b) Write about automated watershed delineation and DEM based analysis.

3. (a) Explain drainage morphometric analysis using GIS with a case study.
   (OR)
   (b) Write about Spatial decision support system using GIS and its application.

4. (a) Write about different GIS packages and its capabilities.
   (OR)
   (b) Discuss in details Mineral and Hydrocarbon exploration using RS & GIS.

5. (a) Explain the application of GPS and GIS urban infrastructure development.
   (OR)
   (b) Explain concepts of GPS and different modes of surveying using GPS.

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