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Register Number:

**2138**

Name of the Candidate:

**M.Sc. DEGREE EXAMINATION, 2011**

**(GEO-INFORMATICS)**

(SECOND YEAR)

(PAPER-X)

**640. GEOGRAPHIC INFORMATION SYSTEM, GIS PACKAGES AND  
GEOINFORMATICS APPLICATIONS**

May)

(Time: 3 Hours

Maximum: 100 Marks

*Answer ALL questions  
Each answer should be in about 1500 words*

**(5×20=100)**

1. a) What is map projection? Explain its type.  
(OR)  
b) Explain with simple examples various data sources for GIS.
  2. a) Give a brief account on Digital elevation models.  
(OR)  
b) What are Data base models? Explain. List their advantages and disadvantages.
  3. a) Write an essay on the application of GIS in disaster management.  
(OR)  
b) How is the remote sensing techniques useful in drainage analysis?
  4. a) Write an essay on the application of GIS in the study of coastal geomorphology.  
(OR)  
b) Give an account on various GIS packages. Add a note on their merits and demerits.
  5. a) How will you apply GIS tools in water management education?  
(OR)  
b) What is GPS? Explain its working principle. Add a note on its application.
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