

Total No. of Pages:

2028

Register Number:

Name of the Candidate:

**M.Sc. DEGREE EXAMINATION, 2010**

**(GEO INFORMATICS)**

**(SECOND YEAR)**

**(PAPER-X)**

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

May)

(Time: 3 Hours

Maximum: 100 Marks

*Answer ALL questions*

*Each answer should be in about 1,500 words*

*All questions carry equal marks*

1. a) Write about GIS data quality and different errors in GIS.  
(OR)  
b) Explain various map overlay functions and analysis methods.
2. a) Explain GIS database management and various database structures.  
(OR)  
b) Write about GIS based modeling and integration with remote sensing data.
3. a) Explain the Land information system for urban management.  
(OR)  
b) Write about spatial decision support system for environmental management.
4. a) Write about hydro geomorphological study using remote sensing data.  
(OR)  
b) Explain groundwater modeling using GIS.
5. a) Explain artificial rain water harvesting zonation mapping using remote sensing and GIS.  
(OR)  
b) Explain natural resource management using GIS and remote sensing with a case study.

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