

Code :R7410103

R7

IV B.Tech I Semester(R07) Supplementary Examinations, May/June 2011
REMOTE SENSING & GIS APPLICATIONS
(Civil Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

1. What is stereoscopy? And Explain various method of stereoscopic viewing with examples.
2. How do you justify remote sensing is science or/ and arts? Lists of major milestones in Indian Remote sensing satellites.
3. (a) Explain methodology of digital data analysis in Remote sensing.
(b) List all major components in Remote sensing and explain with examples.
4. (a) What are the different kinds of DATA types in GIS and explain with operations?
(b) Explain various components of GIS.
5. (a) What steps would you take to limit the introduction of errors in the digitization and scanning of spatial data?
(b) What is UTM? Explain how it is important in GIS?
6. Explain the following terminology with GIS applications.
 - (a) View shade analysis
 - (b) Buffering
 - (c) Slope and aspect.
7. (a) Explain various types of drainage density and drainage pattern.
(b) What are the different types of watershed and their characteristics?
8. How are you modeling following water resource assessment? And explain various sensors properties.
 - (a) Surface water
 - (b) Rain/ run off
 - (c) Water balance
 - (d) Snow cover
