Code: CE7T2

IV B.Tech - I Semester – Regular Examinations – November 2015

REMOTE SENSING AND GIS APPLICATIONS
(CIVIL ENGINEERING)

Duration: 3 hours   Max. Marks: 70

Answer any FIVE questions.   All questions carry equal marks

1. a) What is photogrammetry? Explain different types of
     photogrammetry?   7 M

   b) How do you measure heights from photographs?   7 M

2. a) Explain briefly about the process of Remote Sensing with a
     neat supporting diagram.   7 M

   b) What are the advantages and limitation of Remote
      Sensing?   7 M

3. a) Explain briefly the categories of Image classifications used
     & distinguish among each other.   7 M

   b) Explain briefly different geometric correction methods.
                                                          7 M

4. a) Explain the fundamental operations of GIS.   7 M

b) Explain the various components of GIS. 7 M

5. a) Explain 'Raster data & Vector Data. 7 M

b) What is Feature based GIS mapping? 7 M

6. a) What are the Visual Analysis Methods? 7 M

b) What are Spatial Data and Non-Spatial Data? Give examples. 7 M

7. a) Discuss the landuse / landcover mapping from remote sensing and its use in hydrological studies. 7 M

b) Write about flood & drought impact assessment and monitoring. 7 M

8. a) Explain methodology with flow chart RS & GIS techniques to urban application. 7 M

b) Write about the applications for urban planning in Remote sensing and GIS. 7 M