B.TECH. IN CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

June, 2012

BICE-006 : GEOINFORMATICS

Time : 3 Hours   *Maximum Marks : 70*

Note :   *Attempt any seven questions.*

1.   Define aerial photography. Write the general   **10**
     procedure for performing an aerial survey

2.   Define Aerial photo-interpretation. Also discuss   **10**
     briefly the factors influencing Aerial photo -
     interpretation.

3.   Explain briefly Ideal Remote sensing system with   **10**
     suitable examples of Field Applications.

4.   Describe various applications of remote sensing   **10**
     in the field of Civil Engineering ?

5.   Explain   the   terms   image   rectification,   **10**
     enhancement and image histogram.

6. Explain about GIS and its components. **10**

7. What are the different applications of Data for GIS ? Define point, line and aerial data. **10**

8. What is the basic concept of global positioning system ? What are the different segments of GPS ? **10**

9. Write short note on *any two* of the following. **10**
   (a) Data acquisition
   (b) Kinematic GPS
   (c) Resolution