| BICE-006 |

B.Tech. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

00605   December, 2014

BICE-006 : GEOINFORMATICS

Time : 3 hours   *Maximum Marks : 70*

Note : *Answer any **seven** questions.*

1. What are the different types of overlaps ? What are the purposes of providing them in aerial photographs ?   *10*

2. Define and explain the following terms with a neat sketch :   *10*

    (i)   Swing

    (ii) Exposure Station

3. Briefly discuss the importance of remote sensing and its uses.   *10*

4. Discuss the working and classification of sensors used in remote sensing.   *10*

5. Write a short note on remote sensing platforms. Also discuss Geostationary Satellites. *10*

6. Define the term Geographical Information System (GIS) and indicate its components with examples. *10*

7. Describe the maintenance and analysis of the spatial data. *10*

8. What is meant by resolution ? Discuss the management of GIS errors. *10*

9. Give a brief note on GPS in Heat Management Systems, giving two examples. *10*

10. How is GPS related to GIS ? Explain the concept of usage of GPS in photogrammetry. *10*