

B.Tech. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

00536

June, 2016

BICE-006 : GEOINFORMATICS

Time : 3 hours

Maximum Marks : 70

Note : *Attempt any seven questions. All questions carry equal marks.*

- 1 (a) Discuss the term Overlap in aerial photogrammetry. 5
- (b) Discuss the utilization of Relief Displacement. 5
2. (a) Compare the aerial map with topographic map. 5
- (b) Explain the factors which influence the resolution. 5

3. (a) Differentiate between Remote Sensing and Proximal Sensing. 5
- (b) Explain the basic laws of electromagnetic radiation. 5
4. (a) Discuss the different types of scattering. 5
- (b) Write a detailed note on applications of Remote Sensing. 5
5. (a) Discuss the different elements of visual interpretation. 5
- (b) What is a histogram ? Explain in brief. 5
6. (a) Write a detailed note on Atmospheric Corrections. 5
- (b) Explain different Spectral Enhancement Techniques. 5
7. (a) Define GIS. Describe the key components of GIS. 5
- (b) Explain the functions of GIS. 5
8. (a) What are GPS positioning types ? Explain them. 5
- (b) Discuss the factors which affect GPS. 5

9. Write short notes on any *two* of the following : 2×5=10

- (a) Errors that occur during data input in GIS
 - (b) Buffer Operation in GIS
 - (c) Geopositioning in GPS
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