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B.TECH. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

December, 2012

BICE-006 : GEOINFORMATICS

Time : 3 hours

Maximum Marks : 70

Note : Attempt any seven questions.

1. What do you understand by aerial photography ? Derive the expression for scale of a vertical photograph. 10
2. Describe briefly flight planning & relief displacements. With suitable field applications. 10
3. What is meant by idealized remote sensing system? Explain all basic components. 10
4. Describe various applications of remote sensing in the field of Civil Engineering with suitable examples. 10
5. Explain briefly land use & land cover classification system. 10

6. Describe the different application of GIS. 10
7. Describe briefly Raster and Vector data structures. 10
What are the relative advantages and disadvantages of these two ?
8. Define GPS and explain various segments of GPS 10
with suitable field applications.
9. Write short note on the following : 10
- (a) Data acquisition.
 - (b) Satellite Navigation System.
 - (c) Spectral reflectance curves.
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