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BICEE-003

B.Tech. CIVIL ENGINEERING (BTCLEVI)

Term-End Examination

December, 2015

**BICEE-003 : REMOTE SENSING IN CIVIL
ENGINEERING**

Time : 3 hours

Maximum Marks : 70

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

1. What is Remote Sensing ? Discuss the Remote Sensing process with an illustrative line diagram. 10
2. What are the advantages and disadvantages of the various remote sensing platforms ? 10
3. Explain the process of topographic mapping using remote sensing. 10
4. What are the types of films used in remote sensing ? Illustrate your answer with diagrams. 10
5. Describe the methods of appropriate digital processing of satellite data. 10
6. What do you understand by Visual Image Interpretation ? Explain the elements of image interpretation in brief. 10

7. Discuss in detail the techniques available for 3D viewing in digital photogrammetry. 10
8. Explain the application of remote sensing in water resources. 10
9. Write short notes on any **four** of the following : $4 \times 2 \frac{1}{2} = 10$
- (a) Parallax Bar
 - (b) Thermal Infrared Scanning System
 - (c) Percent Reflectance
 - (d) Scale
 - (e) Ideal Remote Sensing
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