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BICEE-003

B.Tech. CIVIL ENGINEERING

(BTCLEVI)

Term-End Examination, 2019

**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 are the considerations for an ideal remote sensing system ? [10]
2. What is filter in photographic imaging ? Explain different types of filter used in photographic imaging. [10]
3. Describe the process of topographic mapping using satellite data. [10]
4. Describe the methods of appropriate digital processing of satellite data. [10]

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[P.T.O.]

5. What are the remote sensing satellites launched by India ? Describe briefly. [10]
6. How will you find the soil characteristics using remote sensing techniques ? Explain briefly. [10]
7. Discuss with example the usefulness of multi-seasonal data in land-use/land cover pattern analysis. [10]
8. Explain the application of remote sensing in water resources. [10]
9. Discuss in detail the techniques available for 3D viewing in digital photogrammetry. [10]
10. What do you understand by Visual Image Interpretation ? Explain the elements of Image interpretation in brief. [10]

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