

Roll No

CE-223 (CBCS)

B.E. III Semester

Examination, December 2017

Choice Based Credit System (CBCS)

Advance Surveying and Remote Sensing

Time : Three Hours

Maximum Marks : 60

Note: Attempt any five questions out of eight questions. All questions carry equal marks. Assume data if any missing/required.

1. What is the Principle of Plane Table Surveying? Also list out and briefly explain instruments used in Plane Table Surveying.
2. Define and explain working principle of : Digital Planimeter and EDM.
3. What do you understand by "Precise Traversing" and "Baseline measurement" Explain.
4. What do you understand by "GPS Surveying"? How it is helpful in Civil Engineering works?
5. What is Remote Sensing? Explain the process of data collection, store and transfer under remote sensing.
6. Write a short note on Indian Remote Sensing Satellites (IRS) and their applications.

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7. Differentiate GPS surveying and conventional Surveying with their advantages and disadvantages.

8. Write short notes on any four of the following:

- a) Theodolite
- b) Total Station
- c) GIS
- d) Control Survey
- e) Triangulation Survey
