

Roll No

CE-223

B.E., III Semester

Examination, December 2016

**Choice Based Credit System (CBCS)
Advance Surveying and Remote Sensing**

Time : Three Hours

Maximum Marks : 60

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) Explain the basic principles of surveying with sketches.
b) Describe how would you set and orient the plane table.
c) Explain the various methods employed for chaining on sloping ground.

2. The following are the bearings take line n on a closed compass traverse.

Line	Fore Bearing
AB	60°30'
BC	122°00'
CD	46°00'
DE	205°30'
EA	300°00'

Compute the interior angles

3. What are the different types of platforms related to Remote Sensing?

4. What are the different types of sensors?
5. Explain in detail about the components of GIS.
6. Write about the modelling Highway Alignment Studies using GIS.
7. Explain in detail about the digital image processing.
8. What is Total Station Define its components with diagram?

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