

Roll No

CE - 502

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B.E. V Semester

Examination, December 2015

Advanced Surveying

Time : Three Hours

Maximum Marks : 70

- Note:** i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.
ii) All parts of each question are to be attempted at one place.
iii) All questions carry equal marks, out of which part A and B (Max. 50 words) carry 2 marks, part C (Max. 100 words) carry 3 marks, part D (Max. 400 words) carry 7 marks.
iv) Except numericals, Derivation, Design and Drawing etc.

1. a) Define GPS.
b) Explain uses of digital planimeter.
c) Discuss digital levels.
d) Discuss the principle of electronic distance measurement system.

OR

What are the functions of the microprocessor in the total station?

2. a) Define Terrestrial poles and Equator.
b) Explain sensible horizon and visible horizon.
c) Explain declination and hour angle system.
d) Derive an expression for calculating the spherical excess of a spherical triangle.

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