
Third Semester

Civil Engineering

CE 1205 — SURVEYING – I

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

PART A — (10 × 2 = 20 marks)

1. What are arrows?
2. What is metallic tape?
3. What is magnetic meridian?
4. Define true bearing.
5. What is height of instrument?
6. What do you mean by back sight?
7. What is non-transit theodolite?
8. What is face right observation?
9. Define point of intersection.
10. What is length of the curve?

PART B — (5 × 16 = 80 marks)

11. (a) Explain the method of direct ranging.

Or

(b) Explain the method of chaining.
12. (a) Explain the function of surveyor's compass.

Or

(b) Explain the intersection method of plane table survey.

13. (a) Explain the method of reciprocal levelling.

Or

(b) Explain the characteristics of contours.

14. (a) Explain the essential parts of the transit theodolite with a neat sketch.

Or

(b) Explain the method of measuring a horizontal angle by repetition method.

15. (a) Explain the method of setting out of simple curve by off sets from the tangents.

Or

(b) Explain the method of setting out of simple curve by two theodolite method.