

SRINIX COLLEGE OF ENGINEERING, RANIPATNA, BALASORE

2nd INTERNAL EXAMINATION

BRANCH-CIVIL ENGINEERING

F.M-100

SEM-4TH

SUB-SURVEYING

A. Short question. (Answer any 20)

(2x20)

1. Define the terms of contour line, contour interval.
2. Define angle of depression.
3. Define transit theodolite.
4. Define contouring.
5. What is electromagnetic spectrum?
6. What are the types of EDM?
7. Define angle of elevation.
8. What is contour gradient?
9. What is horizontal equivalent?
10. Define RADAR.
11. What is centring in theodolite?
12. What is total station?
13. Describe the function of trivet in theodolite?
14. Define remote sensing.
15. State the different types of theodolite.
16. Define repetition method in theodolite.
17. Explain major parts of RADAR.
18. What are the different methods in contouring?
19. What are the functions of a theodolite?
20. What are the different methods to measure horizontal angle?
21. Define GIS.
22. Describe the important features of total station.

B. Long question. (Answer any 10)

(6x10)

1. What are the characteristics of contouring? Explain briefly.
2. What are the different methods of contouring .Describe any method along with sketch?
3. Briefly describe the temporary adjustment of theodolite.
4. Describe the process of repetition method.
5. Briefly describe the method of traversing.
6. Describe how you would measure vertical angles.

7. Briefly explain the horizontal angle. Describe repetition method & give a suitable example for repetition angle by using repetition process.
8. Explain contour line, contour interval & horizontal angle. Briefly explain the 2 methods of contouring with neat sketch.
9. What is theodolite survey? Explain the principle of theodolite survey & briefly describe the parts of the transit theodolite with neat sketch.
10. What do you mean by modern surveying instrument .what is electromagnetic spectrum. Briefly describe the RADAR, major parts of RADAR & RADAR application in 5 areas.
11. What is a transit theodolite? State the uses of theodolite.
12. What is remote sensing? Briefly describe the types of remote sensing.