3221

BOARD DIPLOMA EXAMINATION, (C-09)

MARCH/APRIL—2021

DCE - THIRD SEMESTER EXAMINATION

SURVEYING - II

Time : 3 hours]   [*Total Marks* : 80

PART—A   4×5=20

Instructions : (1) Answer *any* **five** questions.

(2) Each question carries **four** marks.

(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. List any four major parts of theodolite.

2. Define the term latitude and departure of a survey line.

3. State any two fundamental lines of theodolite.

4. State the principle of trigonometric levelling.

5. List the uses of tacheometry surveying.

6. List the constants of tacheometry in stadia tacheometry.

7. List different methods of curves setting in the field.

8. Define Simple curve.

9. State any two advantages of GPS.

10. State the principle of Electronic distance meter (EDM).

www.manaresults.co.in

Instructions : (1) Answer *any* **four** questions.

(2) Each question carries **fifteen** marks.

(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. List and explain the temporary adjustments of theodolite.

12. Explain the checks of open and closed theodolite traverse.

13. Write the expression for finding the RL of an object when whose base is accessible and explain the notations with neat sketch.

14. Explain briefly methods of stadia taeheometry.

15. Explain with neat sketch different types of curves generally adopted in horizontal plane.

16. Explain role of civil engineer, while setting curve in alignment.

17. List out the major parts of electronic theodolite and mention their function.

18. What are advantages of total station compared other surveying equipment?

★ ★ ★