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Total No. of Questions : 8.

Total No. of Printed Pages : 2

UITians

EKS-334

**B.E. V Semester (CGPA) Civil Engg.
Examination 2017**

SURVEYING - II

Paper : CE-504

Time Allowed : Three Hours

Maximum Marks : 60

Note: Attempt any five questions. All questions carry equal marks.

- Q.1. Define EDM. List out the types of EDM.
- Q.2. Illustrate the application of traversing. Discuss the principle behind the linear distance measurement of a total station.
- Q.3. What are the space, control and user segments of GPS and their functions?
- Q.4. With the help of suitable sketches, describe the following methods of locating soundings.
- a) Location by range and one angle from the shore.
 - b) Location by two angles from the shore.

- Q.5. A, B and C are three visible stations in a hydrographical survey. The computed sides of the triangle ABC are : AB, 1130 m; BC, 1372 m; CA, 1889 m. Outside this triangle (and nearer to AC), a station P is established and its position is to be found by three point resection on A, B and C, the angles APB and BPC being respectively $42^{\circ} 35'$ and $54^{\circ} 20'$. Calculate the distances PA and PC.
- Q.6. Discuss the utilities of Remote sensing in Advanced Surveying.
- Q.7. Elaborate the advancements in route surveying of Highways / Water ways / Railways.
- Q.8. Write down the steps involved in GPS data processing.

