Seat No.:	Enrolment No.
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Subject Code: 1025502

## GUJARAT TECHNOLOGICAL UNIVERSITY BPLAN – SEMESTER II • EXAMINATION – SUMMER 2015

Date: 30/05/2014

Subject Name: SURVEYING AND PHOTOGRAMMETRY Time: 10.30am-12.30pm **Total Marks: 50 Instructions:** 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. Draw conventional symbols. 0.1 06 1. Contours 2. Railway 3. Building 4. Stations 5. Pine Tree 6. Sand Pit Define following terms: (Any Four) 04 1. Surveying 2. Plane Surveying 3. Geodetic Surveying 4. Survey Stations 5. Survey Lines 6. Level Surface Give classification of survey 05 **Q.2** (a) **(b)** What is scale? Explain method for representing scale. 05 OR What is local attraction? How to detect it? 05 **(b) Q.3** (a) Write the designation of bearing? Explain it with figure. 05 Give difference between surveyor's and prismatic compass. **(b)** 05 OR Explain Intersection, the method of plane tabling. 05 Q.3 (a) **(b)** Explain characteristics of contours. (Any five) 05 **Q.4** Give advantages and disadvantages of plane tabling. 05 (a) What is the plane tabling? Name the instruments used for it. **(b)** 05 OR What is GPS? Give introduction and types of GPS. **Q.4** (a) 05 What are the applications of GPS? **(b)** 05 05 **Q.5** (a) Explain "By cross section", the method of locating contours.

	<b>(b)</b>	Define following terms:		05
		1. Contours		
		2. Contour line		
		3. Horizontal line		
		4. Level line		
		5. Bench mark		
			OR	
Q.5	(a)	Explain the following terms:		05
		1. Photogrammetry		
		2. Aerial photogrammetry		
		3. Terrestrial photogrammetry		
		4. Total station		
		5. Remote sensing.		
	<b>(b)</b>	Explain Kinds of errors in surveying.		05

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