Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER- IV(NEW) EXAMINATION - SUMMER 2015

Subject Code:2140601						Date:01/06/2015					
Su	bject	Name:A	dvanced	Surveying							
Time: 10:30am-1.00pm							Total Marks: 70				
Inst	ructio		-								
	_	Attempt a									
	2. 3.			ptions wherever ndicate full mar	-	•					
	3.	rigures to	uie rigiit ii	nuicate fun mai	NS.						
Q.1	(a)	Explain fie	eld work in	tacheometry					07		
	(b)	ž							07		
		equation									
Q.2	(a)	The followings are the details of tacheometric reading were obtained on a staff									
~	(u)		-	ate PQ and RL of		_		ou on a starr	07		
		Inst	Staff	Vertical	Hair reac			Remarks			
		station	Station	angle		C					
		P	BM	- 5 ⁰ 30	1.150	1.800	2.450	Rl of			
			Q	+ 6 ⁰ 00'	0.790	1.510	2.300	BM 100			
	(b)								07		
		OR									
	(b) Explain equation of time								07		
Q.3	(a)	Find most probable value of angles A, B and C of triangle ABC from following 07									
		values , , ,									
		$A = 52^{0} 24$									
		$B = 64^{\circ} \ 06'20''$ $C = 63^{\circ} 30' \ 02''$ Final in Table 44 in a single its assessment different functions									
	(1.)										
	(b)	Explain Total station giving its uses and different functions 07									
Q.3	(a)	OR Describe components of remote sensing 07									
Ų.J	(b)										
	` ′										
Q.4	(a)	What is theory of least square? Describe. Or									
	(b)	Derive equation for V and H in tacheometry when staff held vertically in fixed hair method									
		nan memo	u		OR						
Q.4	(a)										
~··	(b)	1 1							07		
Q.5	` ′	•									
	(a)	Explain functions of GIS Describe Uses principles and figures of triangulations 07									
	(b)	Describe C	ses brincit	nes and figures	OR CITAINGU	iations			07		
Q.5	(a)	Describe la	aws of weig	hts	OK				07		
2.0	(b)	Describe F	-						07		
	(-)		<i>U</i> F	<i>5</i>							
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