	Question Paper Code	:50258
	ch. DEGREE EXAMINATION, NOVE Third Semester Civil Engineering CE 6304 – SURVEYING (Regulations 2013)	
Time : Three Ho	ours and a compared of a popular and a second	Maximum: 100 Marks
	Answer ALL questions	
	PART – A	(10×2=20 Marks)
1. Distinguish	n between a check line and a tie line.	
2 List out the	e few types of obstacles in chaining.	13. a) In a the least oursewing, ata
3. Define mag	gnetic declination.	
4. What is in	tersection method? Where it is used?	
5 Name diffe	erent kinds of bench marks.	
	The second secon	
6. What are t	the types of staves?	
7. State any	two characteristics of contour.	di nata monto di Doni ne di nata di na
8 What is m	ass diagram? Why it is prepared?	
9. Define sta	ndards in theodolite.	
10. What is a	n anallactic lens ?	

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			PART – B	(5×13=65	Marks)
11. a	) Explain th	ne principles ad	opted in the construction of		
		(OR)	The compet action of	vermer scales.	(13)
b	and it was	detected that th	measured by 30 m chain, late ng. Another 500 m (i.e., tota ne chain was 0.15m too long. crect, determine the exact le	al 2500 m) was measu	red
12. a)	A closed tra	averse with side	s is almost that of a regular	pentagon One line of	the
	Pontagon I	as a bearing of	04 JU. Compute the hearing	g of the remaining sid	es,
	eaving tile	DIGC III a CIOCKW	ise order.		(13)
b)	Dosamiha th	(OR)	L. A. WA		
0)	functions.	ie various acces	sories used in plane table s	urveying? Explain th	eir
10 \	_				(13)
13. a)	Toll Doull Si	cation, the follow	arting from bench mark A (F ving consecutive sights are to and 1.405. Find the R.Ls of p	alron A DOF 1 DOF O A	ng 45, (13)
		(OR)			et e
b)	A level was	set up at a poin	nt 'O' and the distance to tw	o staff stations A and	В
	were 60 m a	and 200 m. The	observed staff readings, On	A and B were 2.25 ar	d
	1.815. Find	the correct diffe	erence of levels between sta	tions A and B.	(13)
4. a)	Explain how	will you detern	nine the capacity of a reservo	ir using a contour man	(19)
		(OR)		- some a contour map	. (13)
	crope 15 1.0.	of bottom size 3	5 m × 25m is planned with a equantity of earth to be exclevel before excavation.	avated Accume the	de (13)
	is set up at t	$AQ = 45^{\circ}, QAB$	veen two inaccessible points and B, 1000 m apart and the = 57°, PBA=56°, PBQ = 50°	following	
	uistance	1,422,534			(13)
		(OR)			

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b) A theodolite was set up at a distance of 150 m from a tower. The angle of elevation to the top of the tower was 10° 08', while the angle of depression to the foot of the tower was 03° 12'. The staff reading on the B.M. of R.L. 50.217 with the telescope horizontal was 0.880. Find the height of the tower and reduced level of the top and foot of the tower.

PART - C (1×15=15 Marks)

 a) Explain how a point can be plotted on a plan using two known points on plant and their corresponding ground stations. (15)

(OR)

b) The following consequent readings where taken in a level and a 4m leveling staff on a continuously sloping ground at common interval of 30m the readings are 0.855, 1.545, 2.335, 3.115, 3.825, 0.455, 1.380, 2.055, 2.855, 3.455, 0.585, 1.015, 1.850, 2.755, 3.845. R.L. of A is 380.500 m the last reading taken point is B. Find the gradient between A and B.