GANPAT UNIVERSITY

B. Tech. Semester: 6th Civil Engineering

Regular Examination April-June 2017 (CBCS New Course)

2CI602-Advanced Surveying

		2. Figure to the ri	Biro sireno						
					Section	<u> - I</u>			
1e. – 1	(A)	How to determine tachometric constant?							
	(B)	Write principal	of substan	nce metho	d.				
	, ,				OR				
e. – 1	(A)	Explain procedure carry out tacheometry survey on field.							
	(B)	Write short note on errors in tacheometry.							
Que. – 2	(A)	The following observation were taken using a tacheometer fitted with an anallatic lens, the staff being held vertically. The constant of tacheometer is 100.							
		Instrument Station	Height of axis	Staff station	Vertical Angle	St	aff Rea	ding	Remark
		P	1.45	B.M.	-6°12'	0.98	1.54	2.10	RL
		P	1.45 1.57	Q R	+7°15' +12°12'	0.83 1.89	2.48	1.89	BM=384.25 m
	(B)	Determine the c Enlist classifica	ation of ge	odetic sur	vey. And he	ow can	you cla		
ie. – 2		Enlist classifica	are the	odetic sur details of PQ and R	OR tacheomet	ow can	you cla	vere ob	
ie. – 2		Enlist classification. The following vertically held. Instrument	are the Calculate Staff	details of PQ and R	OR tacheomet L of Q. take	ow can ric rea e K=10	you cla	vere obt	odetic survey? ained on a sta Remarks
e. – 2		Enlist classification. The following vertically held.	are the	details of PQ and R Vertice Ang	OR tacheomet L of Q. take	ow can ric rea e K=10 Hair I	you clanding volume of the second sec	vere obt	ained on a sta
e. – 2		The following vertically held. Instrument Station	are the Calculate Staff Statio	details of PQ and R Vertice Ang	OR tacheomet L of Q. take cal le 1.150	ow can ric rea e K=10 Hair I	you clanding volume of the second of the sec	were obte=0.	ained on a sta
ie. – 2		The following vertically held. Instrument Station P	are the Calculate Staff Statio B.M.	details of PQ and R Vertical Vertical PO Ang -5°30 +6°00	OR tacheomet L of Q. take cal le ' 1.150 0' 0.790	ow can tric rea tric	you clanding volume of the policy of the pol	were obtes=0. g 2.450	Remarks RL of BM =
	(A) (B)	The following vertically held. Instrument Station P	are the Calculate Statio B.M. Q	details of PQ and R Vertical Vertical PO Ang -5°30 +6°00 lation figures	OR tacheomet L of Q. take cal le ' 1.150 0' 0.790 ares with near	w can ric rea e K=10 Hair I 1.8	you clanding volume of the policy of the pol	were obtes=0. g 2.450	Remarks RL of BM =
	(A) (B)	Enlist classification The following vertically held. Instrument Station P Explain types of Explain princip Write short not	are the Calculate Station B.M. Q of Triangue oal of Triangue e on Street	details of PQ and R Vertice Ang -5°30 +6°00 lation figures	OR tacheomet L of Q. take cal le ' 1.150 0' 0.790 ares with near sk	w can ric rea e K=10 Hair I 1.8	you clanding volume of the policy of the pol	were obtes=0. g 2.450	Remarks RL of BM =
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	(A) (B) (A) (B)	The following vertically held. Instrument Station P Explain types of Explain princip Write short not Define Followi (a) Geodeti (b) Plane S	are the Calculate Staff Statio B.M. Q of Triangue al of Tria e on Stren ng term: ic Surveyi urveying	details of PQ and R Vertical Ang -5°30 +6°00 lation figures agth of Figure 19 SEC	OR tacheomet L of Q. take cal le ' 1.150 0' 0.790 ares with neat sk ture.	Hair I	you clanding volume of the second of the sec	e=0. g 2.450 2.300	Remarks RL of BM =
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OR

Que. – 4	(A)	The angles of a triangle were	recorded as under:		05
		A=77°14'20" weight 4 B=49°40'35" weight 3			
		C=53°04'52" weight 2			
		Determine corrected values of			
	(B)	Explain types of Aerial photog	graphs with figure.		05
Que. – 5	(A)	What is field astronomy and w	vrite its purpose?		03
	(B)	Write down Properties of Eart	h.		02
	(C)	Write short note on relief disp	lacement and derive its equation with	neat sketch.	05
			OR		
Que 5	(A)	Write short note on Independe	ent equatorial system with neat sketch		05
	(B)	Write down Advantages & dis			03
■ Money at	(C)	Convert following hours in to	degree, minutes and seconds.		02
		(a) 18h 11m 38s			
		(b) 23h59m50s			
Que. – 6	(A)	datum appear on the vertical	elevation of 500 m and 300 m respect photograph having focal length of we datum. Their corrected photo co-ord	20 cm and	05
		POINTS	Photo co-ordinate		
			Y(mm) Y(mm)		

POINTS	Photo co-ordinate			
	X(mm)	Y(mm)		
À	+26.5	-13.5		
В	+20.8	-30.3		

(B) Write Application and function of GIS.

05

END OF PAPER