Vivekananda College of Engineering & Technology, Puttur

[A Unit of Vivekananda Vidyavardhaka Sangha Puttur ®]

Affiliated to VTU, Belagavi & Approved by AICTE New Delhi

CRM08 Rev 1.10 Civil 29/06/22

## CONTINUOUS INTERNAL EVALUATION- 1

Dept:Civil	Sem / Div:4th A	Sub:ADVANCED SURVEYING	S Code:18CV45
Date:6/07/2022	Time:9.30-11.00AM	Max Marks: 50	Elective:N
Note: Answer any	2 full questions, choosing	one full question from ea	ach part.

Q	N		Questions		Marks	RBT	CO
			PART A	TT			157
1	a	Explain the repetition Transit Theodolite and	method of measuring d errors eliminated by	the horizontal angle using that method.	8	L2	COI
No. of the last	Ъ	Differentiate between i)Transiting and swin ii)Face left and face r lii) Clamp screw and	ging the telescope,		9	L2	COI
	С	Explain the relations axis.	with neat sketch am	ong fundamental lines or	8	L2	CO1
		A T- FLAN	OR		3-14		
2	a		n for horizontal distant double plane meth	ices, height and RL of an iod, when the base is	8	L2	CO1
	ь	elevated object when	n for horizontal distant instrument stations in ect and base is inacces	ces, height and RL of an n the same vertical plane sible.(S1>S2)	8	L2	COI
		horizontal distance 10 line with Q. The angl 18°6' respectively. The 287.28 were respectively. P and at R, the telesco	ade from two instrum- 00 metres apart, the sta- es of elevation of Q at e staff reading upon the ely 2.870 and 3.750 w ope being horizontal.	op (Q) of signal on a hill, ent stations P and R at a ation P and R being in the P and R were 28'42' and the bench mark of elevation then the instrument was at Determine the elevation of signal above its base is 3	9	L3	COI
			PART B				
100	1	Explain different Syste	ems of Tacheometer.		8	L2	COl
1	2	Derive the expressions normal and line of sigh	for distance and eleys at inclined.	ation when the staff held	8	L3 (	CO1
5	I	To determine the great tacheometer was set observations were made	up at another statio	points A and B , a on C and the following ertical.	9	L2	CO1
	IF	Staff at	Vertical Angle	Stadia readings		1	
			The state of the s	DIEDENACHUR VII CHEDAUS COME		7.7	
	-	A	4°20'0"	1.300,1.610,1.920			

					OR					
4	a	Explain two peg method with neat sketch.					8	L2	COI	
	ь	Derive th vertical a				d elevation when th	e staff held	8	L2	COI
	C					etermined by observ			L2	CO1
		vertically anallactic elevation	upon to lens, the	the point e constar point	nt, & the int of the ins	tric survey. The statinstrument is fitted trument being 100. (e. following data,	l within an Compute the			
		vertically anallactic elevation	upon to lens, the of the ons as ec	the point e constar point	nt, & the int of the ins P from the	instrument is fitted trument being 100. (	l within an Compute the			
		vertically anallactic elevation observati	upon to lens, the of the ons as eco	the point e constar point qually tru Staff	nt, & the int of the ins P from the istworthy.  Vertical Angle	instrument is fitted trument being 100. (c e following data, Stadia readings	I within an Compute the taking both Elevation of station			

Prepared by: Prof. Surekha T

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