

Re	g.	No:														
SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR															Ł	
(AUTONOMOUS) B.Tech II Year I Semester Supplementary Examinations Nov/Dec 2019																
	SURVEYING															
(Civil Engineering)																
Tin	Time: 3 hours Max. Marks: 60															50
(Answer all Five Units 5 x 12 = 60 Marks) UNIT-I																
1	a Briefly explain the methods of obstacles in chaining.															5 M
	b Briefly explain the various accessories (any three) in chain surveying.											ıg.			5M	
2	я	Fynlain	with r	neat sk	etch th	ne rad	iation	OR metho	od in n	lane te	able si	urvev	ina			5M
4		Explain with neat sketch the radiation method in plane table surveying. What is local attraction and how it is detected and eliminated?														5M
		UNIT-II														
3		Mentior					0									3M
	b	• The following consecutive readings were taken with a dumpy level and 4 m leveling staff on a continuously sloping ground at common intervals of 30 m 0.905 (on A)												7M		
		staff on a continuously sloping ground at common intervals of 30 m 0.905 (on A), 1.745, 2.345, 3.125,3.725, 0.545, 1.390, 2.055, 2.955, 3.445, 0.595, 1.015,														
		1.850,2	.655, 2	2.945(0	on B).	The 1	RL of	A wa								
		book an	d calci	ulate t	he leve	els of	the po	oints.								
4	a	Define of	contou	r .Mer	ntion th	ne use	s of c	011	in civ	vil eng	ineeri	ng we	orks.			5M
		What is								-		-				5 M
								JNIT-								
5		a Give a list of the permanent adjustments of a transit theodolite.b Write about parts of the Transit Theodolite.														5M 5M
	D	write a	bout pa	arts of	the Ir	ansit	Ineoc	Onte.								5M
6	a	The foll	lowing	readi	ngs we	ere tal	ken by		homet	er wit	h the	staff	held v	ertical. '	The	7M
		tachome				•					ing co	onstan	t is 10	0. Find	out	
		the hori														
		Inst.sta	tion	BM	station		Vertical 5°00'	angle		off read)60.	Remar R.L.	ks of B.M	=	
		A		В		8	°00'.		0.9	82, 1.1	.05, 1.1	88	976.00	0		
	b	What is	tachor	metry?	What	are d	_			f tacho	ometri	ic me	asuren	nents?		3M
7	a	Write s	hort no	otes or	n types	of ci		J NIT- curve								5M
,		a Write short notes on types of circular curves.b Define and draw a typical compound curve. Under what circumstance compound											5M			
		curves are provided.														
8	9	Define	denree	of cur		rive	a rolat	OR	tween	the ra	dius a	nd de	orree o	f a curv	<u>م</u>	5M
8 a Define degree of curve. Derive a relation between the radius and deb Explain various elements of a simple curve with a neat sketch.											giee o		с.	5M		
		UNIT-V														
9	9 a Write short notes on total stations.														5 M	
	b														5M	
10	ล	OR a State and brief about transit time.													5M	
_ v		Write short notes Wild T-1000 Electronic Theodolite.													5M	
							*:	** EN	D ***							