

Reg.	No):													
SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR															
	(AUTONOMOUS)														
		B.T	ech l	V Yea	r II S	emes	ter R	egula	ir Exa	mina	tions	s Sep	tember 2020		
				(GROL	JND I	MPR	OVEN	IENT	TECI	INIQ	UES			
	(Civil Engineering)														
Time:	3 ho	ours											Max. Marks: 60		
	(Answer all Five Units $5 \times 12 = 60$ Marks)														
					× ×			UN	IT-I			,			
1	1 a Discuss in detail various well point techniques for dewatering soils.											lls.	6M		
	b Explain electro osmosis method to control groundwater in low permeable soils.													6M	
	OR														
2	a Explain briefly various methods of grouting.													6M	
	b Explain the criteria for the selection of a particular fill material around the drains.														
								UN	IT-II						
3	a What are the advantages of using wick geo drains?												8M		
	b Explain the vibro compaction method for cohesion less soils.													4M	
4	OR													7 1 1	
4	 a write short notes on densification of cohesive soils by lime columns. b Euclain the impact at around surface mathed to densify anomalous with 												nns. soils	/ IVI 5 M	
	D Explain the impact at ground surface method to density granular sons.														
5	Explain the proportioning techniques of mechanical stabilization														
5	a h	Write	e short	notes	on hi	tumina	ninqu Sus sta	abiliza	tion	incar e	au	auton	•	6M	
	\mathbf{O}														
6	6 a What is the necessity of soil stabilization?											5M			
	b	Write	e short	notes	on so	dium	silicat	e stabi	lizatio	on.				7 M	
	UNIT-IV														
7	a	Wha	t is the	e objec	tive o	f soil 1	reinfor	ceme	nt?					6M	
	b	Wha	t are th	ne app	licatio	ns of g	geotex	tiles?						6M	
_								C	DR						
8	a	Expl	ain the	e appli	cation	s of ge	eo text	iles o	n their	separ	ation	& drai	nage functions.	6M	
	b Discuss the external stability aspects in the design of reinforced earth wall.													6M	
•															
9	a	Expl	ain bri	efly al	bout 11	nprov	ement	of ex	pansıv	e soils	5.			6M	
	b Write short notes on Granular fill.													OIVI	
10	9	Wha	t ara ti	ne vari	oue fo	undat	ion ter	U Phniau	n Alexado	nted i	n evn	anciva	soils?	6М	
10	a h	Exnl	ain the	e conse	olidon	neter n	nethod	l used	for de	picu I termii	nation	of sw	ell pressure	6M	
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