Q.P. Code: 18CE0108

Reg	g. No:														
SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR															
							TONC		,					••	
	B.T	ech l	I Year	· II Se					-		natio	ns Ju	ily-20	21	
					ENG	GINE				GY					
(Civil Engineering) Time: 3 hours Max. Marks: 60															
TIII	. 5 nours						PAR	Г-А				IVI	u.A. 1910	urks. 00	
				(Ansv	wer al	1 the Q			2 = 1	0 Ma	rks)				
1	a Define	e weatl	nering												<b>2M</b>
	<b>b</b> Discuss cleavage and diaphaneity														<b>2M</b>
	c Define texture & structure.														<b>2M</b>
	d Define Strike and dip.														2M 2M
	e What are the various forces acting on dam?														
	$\frac{PART-B}{PART-B}$ (Answer all Five Units 5 x 10 = 50 Marks)														
UNIT-I															
2														5M	
-	b Descri	-				-									5M
				r			OI								
3	How is C	Jeolog	y relat	ed to	Engin	eering	? Disc	cuss th	e scop	pe of a	applica	ation	of geo	logical	<b>10M</b>
	knowledge in the planning work.														
							UNIT								
4	a Explai			-		-		-	-		advan	tage.			5M
	<b>b</b> Write	the ph	ysical	prope	rties c	of (i) G		• •	emati	te.					5M
5	Describe	in det	ail the	nhve	ical n	ronerti	OF		ale A	dd no	te on	the fe	Idenai	r aroun	10M
5	Describe in detail the physical properties of minerals. Add note on the feldspar group of minerals.														10101
	UNIT-III														
6	What are extrusive and intrusive igneous rocks? Describe their salient features.														10M
	OR														
7	7 a Discuss the various agents of metamorphism.													<b>5M</b>	
	<b>b</b> Why heat is considered the most important agent of metamorphism?												5M		
							UNIT	-IV							
8	<ul><li>a Explain various investigation uses in groundwater exploration</li><li>b Explain the engineering significance of ground water</li></ul>												5M		
	<b>b</b> Explai	in the o	engine	ering	signif	icance	-		vater						5M
0	<b>OR</b> Explain the different types of folds with the help of neat sketches.														1014
9	Explaint	ne am	erent	ypes o	01 1010	is with	-		neat s	sketch	es.				10M
10	<b>UNIT-V</b> What are dams and reservoirs? Explain the purpose of construction of major dams and												maand	10M	
10	reservoirs in India.												ms and	IUNI	
	10501 / 0113	5 111 111					OF	R							
11	What are	e the	variou	s geo	logica	al fact			consid	lered	for th	ne con	nstruc	tion of	10M
	tunnels?			-	-										

**R18** 

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