Q.P. Code: 20HS0804									R20							
F	Reg. No:			1	1		-					1				
	SIDDH	IARTI	H INS	TITI	TEO	FEN	GINE	ERIN	IG&	TECH	INOI	OGY	/:: P		R	
						(AU	TON	OMOL	JS)							
	B.Tee	ch I Y	ear I	Semes		-	r & Su RING	~ ~			amina	ations	Ma	y-2022		
							inical l									
Time: 3 hours											Max. Marks: 60					
				(Ans	swer a	ll Five	e Units	s 5 x 1	2 = 6	0 Mar	ks)					
							UNI	T-1								
1	Describe the	estim	ation	ofhar	dness	by ED	TA m	ethod.]	L3	12M
							O	R								
2	Describe the	e Ion e	xchan	ge pro	cess fo	or den	nineral	izatio	n of w	ater?	what a	are the	e]	L3	12M
	advantages a	and dis	advar	ntages	of ion	excha	ange p	rocess	?							
							UNI	Г-П								
3	a What is s	econda	ary Ba	attery?	Write	e a not	e on L	ithiun	I Ion r	echar	geable	e cell.]	L1	6M
	b Describe	the Co	onstru	ction a	nd W	orking	g of M	ethanc	1 – Oz	cygen	Fuel	cell.		1	L3	6M
							O	R								
4	Explain vari	ous fac	ctors i	nfluen	cing t	he rate	e of cc	orrosio	n.					1	L3	12M
							UNIT	Г-Ш								
5	a Distingui	sh betv	ween '	Гherm	oplast	ics an	d The	rmoset	ting p	lastics	5.			1	L4	5M
	b Describe]	L3	7M			
							O	R								
6	Describe the	metho	od em	ployed	l for tl	ne refi	ning o	fpetro	oleum	with 1	neat sl	ketch.]	L3	12M
							UNI	[- IV								
7	What is mea	nt by c	compo	osites?	Class	ify the	e comp	osites	mate	rials.]	L1	12M
							O	R								
8	Define Ceme	ent. Ex	plain	in det	ailed a	about 1	manuf	acture	ofPo	rtland	Ceme	ent.]	L2	12M
							UNI	Г-V								
9	Write any tw	vo met	hods s	synthe	sis of	colloi	ds witl	ı suita	ble ex	ample	es.			1	L1	12M
							O									
10	Write a brief	note o	on Ap	plicati	ons of	Colle	oids an	d Nan	o mat	erials.]	L1	12M
						*:	** EN	D ***								

Page 1 of 1