Ç	<b>Q.P.</b>	Code: 18	HS080	)3									<b>R18-SS</b>
ŀ	Reg	. No:										1	
- ?			ARTI	HINS	TTTT	TEO	FFN	CINE	FRIN	IC &	TECI	HNOI	LOGY:: PUTTUR
		510011			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ILU		TON			ILCI	mor	
		B.T	ech II	I Yea	r I Sei		r Sup		ntary	Exar		ions D	ecember-2021
							(Civ	il Eng	ineeri	ng)			
Т	ime	: 3 hours											Max. Marks: 60
									RT-A				
	(Answer all the Questions $5 \ge 2 = 10$ Marks) <b>a</b> What is autotrophs & heterotrophs.												
1			2M										
		What is m	2M										
													2M
													2M 2M
	e Define stem cells & their functions. PART-B											2111	
					(A	nswe	r all F	ive Ur			50 M	(arks)	
					(* *			and the second s	IIT-I		0011		
2	a	Classify F	Kingda	om Pro	otista a	and Ki	ingdor	and the second se					5M
-		Define Ha					-		mana.				5M
				- T					OR				
3	a	Explain A	nimal	Cell	with a	neat-l	labeled	d diag	ram.				5M
	b	Write short notes on unicellular and Multicellular with examples.											5M
								UN	IT-II				
4	a	How gene	etic ma	aterial	passes	s from	n Paren	nts to o	offspr	ing's.			5M
	b	Describe	Comp	lemen	tary G	ene Ir	nteract					-	5M
-		D'	C						OR				
5		Discuss o				1							4M
	b	Give an a	ccoun	t on D	own s	syna	rome.	TIN	TOP TT	7			6M
		XX7.'1			т 1			UN	IT-II	L]			<b>5</b> 3.6
6		Write sho						200					5M 5M
	U	<b>b</b> What are the macromolecules and its types? <b>OR</b>											5111
7	a	What are	carbo	hvdrat	es? Cl	assify	and e			osacel	naride	S.	6M
		Write not						npian		obuee.			4M
								UN	IT-IV	7			
8	a	Define tra	ansger	ic pla	nts & i	its apr	olicatio	Reasonan and an and					7M
		What are	-	-					?				3M
									OR				
9	a	Write an a	accour	nt on p	protein	s as st	tructu	al ele	ments				5M
	b	Explain g	ene- c	omple	ementa	tion.							5M
								UN	IT-V				
10	a	Describe	the ke	rbs cy	cle in	detail							5M
	b	Write a ne	ote on	sterili	zation	and e	explain	n any î	3 tech	nique	s used	l.	5M
									OR				
11		How to pr				lium?	Expla	in it ir	n deta	il.			8M
	b	What are	photo	system	ns?								2M

\*\*\*END\*\*\*