Q.P. Code: 18HS0803

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Reg. No:				
(AUTONOMOUS)				
<b>B.Tech III Year I Semester Regular Examinations February-2021</b>				
<b>BIOLOGY FOR ENGINEERS</b>				
(Civil Engineering)				
Time: 3 hours Max. Marks: 60				
$\frac{PART-A}{PART-A}$				
1	a	(Answer all the Questions $5 \times 2 = 10$ Marks) What is cell?	2M	
1	a b	What is meiosis?	2M	
	c	List some important organic compounds present in living organisms.	<b>2M</b>	
	d	What are the two Purines & Pyrimidines of DNA?	<b>2M</b>	
	e	Write the difference between aerobic & anaerobic respiration.	<b>2M</b>	
		PART-B		
(Answer all Five Units 5 x $10 = 50$ Marks)				
			<b>C</b> NA	
2	a		5M 5M	
	b	Write short notes on unicellular and Multicellular with examples. OR	3111	
3	a	Draw ultra structure of Prokaryotic cell.	5M	
5	b		5M	
		UNIT-II		
4	Wr	/rite a short note on Gene Mapping.	<b>10M</b>	
		OR		
5	a		5M	
	b		5M	
		UNIT-III		
6	Des	escribe the enzyme nature, properties and nomenclature.	<b>10M</b>	
7	<b>XX</b> 71	OR What are the macro molecules and its types? Write the functions of macro molecules. 10M		
1	wr	What are the macro molecules and its types? Write the functions of macro molecules.	TOM	
8	Giv	Give brief account on hierarchy of DNA structure from single stand to double helix. 10M		
0	UN	OR		
9	Ex	Explain genetic code & Degeneracy of genetic code. 10		
		UNIT-V		
10	De	escribe Krebs cycle.	<b>10M</b>	
		OR		
1	W I	Vrite a note on sterilization and various techniques used.	<b>10M</b>	

**R18** 

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