Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. 2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8=50, will be treated as malpractice.

CBCS Schame

USN	1		15BT33	
Third Semester B.E. Degree Examination, Dec.2017/Jan.2018				
Biochemistry				
Tim	ne: 3	Max Max Max	arks: 80	
Note: Answer any FIVE full questions, choosing one full question from each module.				
1	0	Explain the structure and functions of any three higher in the size levine and the size of any three higher in the size levine and the size of any three higher in the size of any three highe	(0.4.7.4	
1	a. b.	White at a 1 of A 1 of C at 1 of T	(06 Marks)	
	0.	write the classification of carbonyurates. Explain them with example.	(10 Marks)	
	OR			
2	a.	Write the structure of the following amino acids: W, G, A, D and H.	(10 Marks)	
	b.	Differentiate DNA from RNA molecule.	(06 Marks)	
3	a.	What are high energy compounds? Give the structure and properties of ATP.	(10 Maylan)	
	b.	77.71 1 G 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(10 Marks) (06 Marks)	
			(oo marks)	
		OR		
4	a.		(06 Marks)	
	b.	Explain 2 scheme of Photosynthesis.	(10 Marks)	
		Module-3		
5	a.	Give the mechanism of action of Na K transport. Mention its significance.	(08 Marks)	
	b.	Define Facilitated and Passive transport. Explain the mechanism with an example		
			(08 Marks)	
6	a.	Explain Fluid Mosaic model and its permeability properties.	(10.3% 1.)	
U	b.	What is a coupling reaction? Explain in detail with ATP and NAD ⁺ .	(10 Marks) (06 Marks)	
		Sapan in dean will first and first	(00 Marks)	
		Module-4		
7	a.	How is glucose synthesized from non – carbohydrate sources? Explain	(06 Marks)	
	b.	How is Acetyl – CoA catabolised in acrobic cell? How is the pathway regulated?	(10 Marks)	
		OR		
8	a.	Give the energitics of β - oxidation.	(04 Marks)	
	b.	/ (- / · · · · · · · · · · · · · · · · · ·	(12 Marks)	
			(1-1:11:11)	
years		Module-5	7) 3 Cm	
9	a.	Explain the denovo synthesis of pyrimidine nucleotides.	(08 Marks)	
	b.	Explain the bidegradation of purine nucleotides.	(08 Marks)	
	420	OR	4(0)	
10	a.	How is Ammonia excreted away from the body?	(08 Marks)	
	b.	How are aminoacids catabolised? Write in detail.	(08 Marks)	