B.Sc. (Part—I) Semester—I Examination 1S: BIOCHEMISTRY

(Biomolecules and Nutrition)

				(D)	omolecules and in	11111	ion)	
Tim	e:Th	rce I	lour:	s]			[Maximum Marks	: 80
	N.B.	:		questions are com ying 8 marks.	pulsory and carry ed	qual	marks, except Question No. 1	
1.	(A)	Fill	Fill in the blanks (½ mark each):					
		(i)	Anomers are compounds which differ in the configuration only at					
	•	(ii) Fats are esters of fatty acids with						
		(iii)	The	chemical name of	thymine is	<u>.</u>		
		(iv)	The	simplest optically	inactive amino acid	is_	·	2
	(B)	(B) Choose correct alternative (½ mark each):						
		(i) Which one of the following is not a disaccharide?						
			(a)	Sucrose		(b)	Lactose	
			(c)	Maltose		(d)	Starch	
		(ii)	Δ^8 indicates a double bond between carbon atoms :					
			(a)	7 and 8		(b)	8 and 9	
			(c)	8 and 10		(d)	6 and 8	
		(iii)	Linkages present in proteins are known as:					
			(a)	Amide		(b)	Ester	
			(c)	Peptide	•	(d)	None of the three	
		(iv)	Rib	oflavin molecule co	ontains :			
			(a)	D-ribose		(b)	D-ribitol	
			(c)	D-2-deoxyribose		(d)	D-2-deoxyribitol	2
	(C)	Ans						
		(i)	Def	ine BMR.				
		(ii)	Def	ine Hormone				
		(iii)	Det	ine Protein.				
		(iv)	Def	ine Homopolysacc	haride.			4
2.	(a)	What are deoxy sugars? Explain with examples.						4
	(b)	Describe the structure and function of glycogen.						4
	(c)	What are reducing sugars? Explain with examples.						4
					OR			

Describe chemistry and functions of T, and T, hormones of Thyroid.

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