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B.Sc. Part-II (Semester-III) Examination BIOINFORMATICS

(Fundamentals of Bioinformatics)

Time: T	hree	Hou	rs]	•	[Maximum Marl	ks: 80	
Note :-	(1)	ALL questions are compulsory.					
		Draw well labelled diagrams wherever necessary.					
1. (A)	Fill	in th	in the blanks:				
	(i) Building blocks of protein are						
	(ii)	(ii) pH of 7 is considered as					
	(iii) Sucrose is a						
	(iv)	Alte	Alternate name for TCA cycle is				
(B)	Cho	pose the correct alternative :				2	
	(i)	Lac	Lactose is a:				
		(a)	Monosaccharide	(b)	Disaccharide		
		(c)	Polysaccharide	(d)	All of these		
	(ii)	β (Beta) plate belongs to :					
		(a)	Primary structure	(b)	Secondary structure		
		(c)	Tertiary structure	(d)	Quaternary structure		
	(iii)	Wh	Which of the following is an example of isoenzymes?				
		(a)	Glucose hexokinase				
		(b)	Fructose kinase				
		(c)	Lactate dehydrogenase				
		(d)	Alcohol dehydrogenase				
	(iv)	Fol	lowing are steroids:				
		(a)	Cholesterol	(b)	Testosterone		
		(c)	Oestrogen	(d)	All of these		
(C)	An	swer in ONE sentence:				4	
	(i)	Universal solvent.					
	(ii) Storage form of carbohydrates.						
	(iii) Define Holoenzyme.						
	(iv) Steroids.						
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