7.	Give a brief account of conversion of glucose to pyruvic acid and		Roll No	Total No. of Pages : 2	
	calculate the carbohydrates utilized in Glycolysis.	11			
8.	Discuss in detail the tricarboxylic acid cycle.	11		PC 11691-NH	
	SECTION—C				
9.	Explain the following :-		AS/2111 BIOCHEMISTRY METABOLISM—BTHB-1101T		
	(i) Amino acid		Semester–I		
	(ii) Examples of quaternary proteins		Time Allowed : Three Hours]	[Maximum Marks : 74	
	(iii) Globular Proteins	<b>Note :-</b> Attempt <i>two</i> questions each from Section A and B. Section (		-	
	(iv) Glycoproteins		compulsory. SECTION—A		
	(v) Mucopolysaccharides				
	(vi) DNA denaturation		1. Give a brief account on vario	ous types of carbohydrates. Mention	
	(vii) Storage lipids		their important functions.	11	
	(viii) Glycolipids		2. (a) Write down a note on dif	ferent level of structural organization	
	(ix) Cholesterol		of proteins.	8	
	(x) Waxes			stabilizing proteins shapes. 3	
			3. Differentiate between lipids and fats. Give a brief account of structure		
	(xi) Enzyme kinetics		and nomenclature of fatty acid		
	(xii) Iso enzymes			ces responsible for DNA structure ?	
	(xiii) Cori cycle		Elaborate.	5	
	(xiv) Glycogenolysis			e helix model of DNA structure and	
	(xv) Gluconeogenesis 15>	15×2=30	elaborate the Chargaff ru		
			SECTION—B		
			5. Derive Michaelis-Menten equation. Discuss its significance. 11		
			6. Elaborate the various factors in details affecting the enzyme activity.		
				11	
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