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P. G. Diploma in Bioinformatics Annual Examination – 2010 Biochemistry PBID – 105

		D – 105	
Time allowed	ax Marks:70		
		Section - I	
1. Conver 2. Lignin 3. D gluco 4. Oligosa 5. Melano 6. Glycino 7. Natural 8. Proline 9. Cytoch	rsion of glucose to pyruvate is known is a polysaccharic ose and D glucose exhibit same accharide chains have crytes are responsible for producing e is a amino acid. lly occurring amino acids are of is a amino acid. rome oxidase is also known as	properties. directionality. form.	[1x10]
10, General	l formula of carbohydrates is	Section – II	·
 What ar Give co Differer What ar Write a Briefly 6 Name at Write sł 	y six of the following: re anomers and epimers. Explain givi emplete classification, functions and on tiate between essential and non esse re semi-essential amino acids? note on inborn errors of metabolism, discuss the synthesis of clinically rele t least two physiologically relevant fa nort notes on the following: (a) Trigl re essential and non essential fatty acid	characteristic properties of carbohydra ntial amino acids. evant prostaglandins. atty acids and their functions. lycerides (b) Phospholipids.	$[6 \times 5 = 30]$
 Give a d Explain Indicate Describe 	THREE questions of the following detailed account of the regulation of the what are lipoproteins. Give their bious the energy consuming and energy goe in detail hereditary orotic aciduria. tailed structure and function of struct	he TCA cycle. logical role. eneration steps in the glycolytic seque	[3 x 10 = 30]