ZOOLOGY Paper B: Biochemistry and Animal Physiology-I (Zoo-302)

Time Allowed: Three Hours

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	N	Inte:	Attempt five questions in all, selecting at least one question a	0111
	each U	Jnit. C	Question No. 1 is compulsory.	
	1.	(i)	Isoenzymes	,
		(ii)	Biological Oxidation	,
		(
		(iv)		
		(v)	Cardiac Output	
44	,	(vi)	Anemia	
	,	(vii)	Defence Protein	1×8
		(viii)	Essential Fatty Acids.	1.0
		(a) (Classify carbohydrates and give suitable examples for each ty	pe.
			7 2001496	
		(b) V	What are Nucleosides?	teins
	3.	Discu	What are Nucleosides. Use primary, secondary, tertiary and quartenary structure of pro	7
	00	givin	g suitable example.	
		8		

Maximum Marks: 36

10	
2007	UNIT-II .
4.	What are Allosteric Enzymes? Discuss the mechanism of enzyme action.
	7
5.	(a) What is Glycolysis? Describe glycolysis in a tabulated form.
	(b) What is Glucogenesis? 5+2
	UNIT-III
6.	(a) Describe the physiology of digestion in different parts of digestive system.
	(b) Differentiate between extracellular and intracellular digestion. 5+2
7.	Describe the transport of O ₂ and CO ₂ in detail.
	UNIT-IV
8.	(a) Describe the mechanism of blood clotting.
	(b) Write a note on ECG and its significance. 5+2
9.	Describe the origin and regulation of heart beat in detail.