No. of Printed Pages: 02

SARDAR PATEL UNIVERSITY

S.Y.B. Sc. Semester- IV (Under CBCS)

US04CBCH01 -Biochemistry of Biomolecules -II

Date: 09/04/	/2019,Tuesdey			
Гіте: 10:00	9am to 01:00pm			Marks: 70
Q-1 Select the Right Answer				[10]
1. Haem	oglobin hasstructure.		•	
a)	Primary	c)	Secondary	
b)	Tertiary	d)	Quartarnary	
2	is the Protein of Skin and hair.			
a)	Albumin	,	Keratin	
(se b)	Collagen	200 d)	Globulin	
3. A dip	eptide has peptide bonds.			
a)	One	c)	Three	
b)	two	d)	Four	
4. Which	h of the following is not an essential Fatty ac	cid?		
a)	Linolic	c)	Arachidonic	
b)	Linolenic	d)	Capric	
5. Physi-	cal state of fat at room temperature is			
a)	Solid	c)	Gas	
b)	Liquid	d)	Plasma	
6. Which	h base is absent in DNA?			
a)	Cytosine	c)	Thymine	
b)	Uracil .	d)	Adenine	
7. Which	h type of sugar is found in DNA?			
a)	Pentose	c) [Triose	
b)	Tetrose	d) l	Hexose	
8. There	e aremajor classes of Enzymes.			
a)	2	c) 4		÷
b)) 6	d) 8		•
9. E.C n	number of Enzyme comprises digits.			
a)	One	c) T	hree	
b)	Two	d) F	our	
10	is also known as Organic cofactor.			
a)	Coenzyme	c) He	oloenzyme	
b) .	Apoenzyme	d) M	etalloenzyme	

1) What are Conjugated proteins? give example. 2) Briefly discuss Formation of Peptide bond of Protein. 3) Define: a)Salting in b) Salting out. 4) What is Saponification number? Explain. 5) What are MUPA and PUPA.? give examples. 6) Write a note on Antioxidants. 7) What is Complementary base pairing? 8) Differentiate between: Nucleotide and Nucleoside. 9) What is Plasmid? Write its Characteristics. 10) Define: a)Catalytic site of enzyme b) Isoenzymes. 11) Differentiate between Conzyme and Cofactor. 12) Give Classification of Coenzyme and Cofactor. 12) Give Classification of Proteins in detail B Give Functional classification of Proteins with suitable Examples. OR A Give a detailed note on: Structure of Haemoglobin. B Discuss Secondary structure of protein. OR A Give a detailed note on: Structure of Frotein. OR A Give a detailed note on: Bloor's Classification of Lipids. B Discuss in detail about Lipoprotein and give its functions OS Discuss Avery, Maccleod, Maccarty transformation experiment. OR Discuss Hershey and Chase experiment to confirm DNA as a genetic material. B Draw the structure and Give detailed note on: Types of RNA. OS OR Give a detail: IUB classification of Enzymes. OR Give a detailed note on factors affecting Enzyme activity. OR Give a detailed note on factors affecting Enzyme activity. OR Give a detailed note on factors affecting Enzyme activity. [10]	Q-2.	Answe	er the following in brief (Any Ten)	[20]
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