0604N123

Candidate's Seat No:_____

B.Sc Semester-6 Examination

CC 310

Biochemistry

Time: 2-30 Hours] April-2024 [Max. Marks: 70

Q1a b	, and the second	(02) (12)
Q1 a	OR OR	
b	The state of the s	(08) (04)
Q2 a)	Describe various enzyme units.	(4.0)
b)	Write a note on enzyme assay system.	(10)
Q2 a)	OR	(04)
Q2 α)	Discuss Spectrophotometric method for following enzyme reaction rate in detail with various examples.	(14)
Q3	Define enzyme homogeneity. Discuss in detail criteria of enzyme homogeneity in purification of enzymes.	(14)
Q3 a)	OR List different types of column 1	
()	List different types of column chromatography used in enzyme purification & discuss any one of it.	(08)
b)	Discuss fractional precipitation by organic solvent in detail.	(06)
Q4 a)		(00)
,	What are the advantages & disadvantages of using enzymes as medicines? Give any five examples of enzymes as medicines. OR	(14)
Q4 a)	Discuss Immobilized enzymes with reference to type, advantages, any two methods of immobilization and any two applications.	(14)
Q5	Attempt any 7:	
1	Write Michaelis Menten equation. What is Vm in its	(14)
2 3	What are Sulcide inhibitors? Give an axismular 1.1	
	What is competitive inhibition? Give an example, which enzyme does it inhibit? What is the other name of KNF model for Allegtories and a NNF model for Allegto	
5	What is the other name of KNF model for Allosteric enzymes? Why? When can we use manometric method for following enzyme reaction rate? Give an example.	
6	an example.	
6	Which methods can be used for following enzyme reaction rate of Oxidases & Dehydrogenases?	
7	Name one salt that is most commonly used in anatomic is	
ο .	reason why it is commonly used?	
ð	What is the importance of specific activity in an analysis of the importance of specific activity in an analysis of the importance of specific activity in an analysis of the importance of specific activity in an analysis of the importance of specific activity in an analysis of the importance of specific activity in an analysis of the importance of specific activity in an analysis of the importance of specific activity in an analysis of the importance of the	
	y as solved the source of enzyme for enzyme purification?	
10 11	or the order place of the extending used in an area.	
	Draw a labeled schematic diagram of a Biosensor.	

12 Give two examples of enzymes used in food industry.