

0706E441

Candidate's Seat No : _____

M.Sc Sem.-2 Examination**P - 407****Pharma. Science****June 2022****Time : 2-00 Hours]****[Max. Marks : 50**

Q.1	Answer the Following Questions (Any Six)	42 Marks
1	EXPLAIN KREB CYCLE	
2	DRAW LINEAR AND CYCLIC STRUCTURE S OF MONOSACHARIDE, DISACHARIDE AND OLIGOSACHARIDE	
3	EXPLAIN ROLE OF INSULIN IN MAINTANANCE OF BLOOD GLUCOSE LEVEL	
4	EXPLAIN BIOSYNTHESIS OF KETON BODIES.	
5	GIVE A BRIEF EXPLANATION ON DETERMINATION AND TRANSDEAMINATION	
6	EXPLAIN TRANSPORT AND TOXICITY OF AMMONIA	
7	LIST DOWN FACTORS AFFECTING ENZYME ACTIVITY IN DETAIL.	
8	NOTE DOWN STEPS OF UREA CYCLE WITH REACTION	
9	EXPLAIN CLASSIFICATION OF ENZYMES ADOPTED BY I.U.B	
10	EXPLAIN FISCHER AND KOSHLAND'S MODEL OF ENZYME SUBSTRATE INTERACTION.	
Q.2	Answer the Following Short Questions (Any Eight)	8 Marks
1	CHOLESTEROL IS SYNTHESIZED IN THE _____	
2	WHICH HORMONES ARE SYSNTHESIZED BY CHOLESTEROL?	
3	NAME DIFFERENT CHOLESTEROL FOUND IN BLOOD CELLS.	
4	WHAT GIVES RIGIDITY TO CELL MEMBRANE?	
5	GIVE ONE REACTION FOR UREA CYCLE	
6	UREA CYCLE WAS DISCOVERED BY?	
7	WHAT DO YOU MEAN BY UREOTELIC ORGANISM AND GIVE EXAMPLE?	
8	WHAT ARE ISOZYMES?	
9	WHAT ARE VARIOUS BONDS INVOLVED IN ENZYME SUBSTRATE INTERACTIONS?	
10	WHAT IS STEREO CHEMICAL OR OPTICAL SPECIFICITY FOR ANY PARTICULAR ENZYME?	