Name				Printed Pages:01		
Student Admn. No.:						
School of Biological and Life Sciences Summer Term Examination — July - August 2024 [Programme: MSc Microbiology/ M.Sc. Med. Biotech.] [Semester: I) [Batch: 1]						
Course Title: Biochemistry				Max Marks: 100		
Course Code: P1PT103T/ MBAMTT1005/Q1PO114B				Time: 3 Hrs.		
Inst	Instructions: 1. All questions are compulsory.					
	2. Assume missing data suitably, if any.					
			K	COs	Marks	
			Level			
	SECTION-A (15 Marks) 5 Marks each					
1. Define Bu		ffer. Discuss the importance of biological buffer in human body.	K1		5	
2.	Critically outline the characteristic features and function of bacteriorhodopsin.		K2		5	
3.	Discuss about membrane lipid.		K1		5	
SECTION-B (40 Marks) 10 Marks each						
4.	Briefly elucidate the different level of protein organization.		K2		10	
5.	Give a brief account about structure and properties of purines and pyrimidine.		К3		10	
6.	Classify and characterize different types of enzyme.		K4		10	
7.	Briefly discuss about the major sources, deficiency disease and symptoms of fat soluble vitamin.		К3		10	
SECTION-C (45 Marks) 15 Marks eac						
8.	Discuss different steps of glycolysis.				15	
9.	Explain various steps of TCA cycle.				15	
10	Classify and characterize different types of carbohydrates.				15	