Nar	ne		Printed Pages:01		
Stu	dent Admn	. No.:			
		School of Biomedical Sciences			
		Summer Term Examination – July - August 2024			
		[Programme: B.Sc. Medical Biotechnology] [Semester: I] [Batch:	21-22]		
Cou	ırse Title: 1	Max Marks: 100			
Cou	ırse Code:	Time: 3 Hrs.			
Inst	tructions:	1. All questions are compulsory.			
		2. Assume missing data suitably, if any.			
			K Level	COs	Marks
		SECTION-A (15 Marks) 5 Marks 6	each		
1.		the BLI and SPR technology highlighting their individual importance in utical industries.	K2	CO1	5
2.	How do w	ve look for potential vaccines?	K2	CO3	5
3.	Compile v	various applications of microbial biotransformation.	K2	CO6	5
		SECTION-B (40 Marks) 10 Marks	each		
4.	Enlist various methods of Enzyme immobilization highlighting their importance.  Out of these select the best method and explain its advantages and disadvantages above other methods.  K4 C				10
5.	Classify d	ifferent kinds of restriction enzymes.	К3	CO2	10
6.	Dissect ea	sch step used to perform transformation in lab.	K4	CO4	10
7.	Explain in	detail the large-scale production of Vit. B12.	K4	CO5	10
		SECTION-C (45 Marks) 15 Marks	each		
8.	Dissect ea	ch step of transcription in bacterial cells.	K5	CO4	15
9.	Analyze ti	K5	CO3	15	
10	Explain in details how the transformation of steroids and non-steroids takes place. K5 CO6				

Course outcomes:		Students will be able to
COs	K level	
CO1		
CO2		
CO3		
CO4		

Note: 1. Q1 to Q4 from K1/K2.

2. Q5 to Q8 from K3/K4.

3. Q9 to Q10 from highest knowledge level.