

Name. _____		Printed Pages:01		
Student Admn. No.: _____				
School of Biomedical Sciences Summer Term Examination – July - August 2024 [Programme: M.Sc. Medical Biotechnology] [Semester: III] [Batch: 2022-2024]				
Course Title: Drug Discovery and Development		Max Marks: 100		
Course Code: MBAMBT3001		Time: 3 Hrs.		
Instructions:	1. All questions are compulsory. 2. Assume missing data suitably, if any.			
		K Level	COs	Marks
SECTION-A (15 Marks)		5 Marks each		
1.	Summaries the Drug Targets and its characteristics.	K2	CO1	5
2.	Recall the classification of Animal Models.	K1	CO2	5
3.	Discuss the plant and animal sources of new drugs.	K2	CO3	5
SECTION-B (40 Marks)		10 Marks each		
4.	Summaries the Physiological parameters of rats considered for experimental analysis.	K2	CO1	10
5.	I want to evaluate the efficacy of a pain killer drug. Should I use the Hot Plate Test? Write the reasons?	K3	CO3	10
6.	Identify the Hepatotoxicity Assay significance and role of CYP450 enzyme.	K3	CO4	10
7.	Identify the significance of combinatorial chemistry its types and advantages.	K4	CO4	10
SECTION-C (45 Marks)		15 Marks each		
8.	Elaborate the Nanoparticles Drug Delivery system for Neurological Disorders.	K4	CO1	15
9.	Examine the Light-directed spatially addressable parallel chemical synthesis.	K5	CO2	15
10	A student wants to identify a phytochemical present in Ashoka Tree that can inhibit the DPP-IV enzyme. Construct a less expensive study and process for the same.	K6	CO5	15