

Name. _____		Printed Pages:01		
Student Admn. No.: _____				
School of Medical and Allied Sciences Semester End Examination (SEE), Summer Term, August 2023 [Programme: B.Pharm] [Semester: VI] (For UG Courses only) [Batch:]				
Course Title: Medicinal Chemistry-III		Max Marks: 100		
Course Code: BPHT6001		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.	Identify the different classes of UTAT agents.	K2	3	5
2.	Select any two from the following list: 1. Synthesis of tolnaftate. 2. Synthesis of metronidazole. 3. Synthesis of Diethyl carbamazine citrate.	K2	4	5
3.	Discuss the drug-like properties and list the ADMET software.	K2	6	5
SECTION-B (40 Marks)		10 Marks each		
4.	Distinguish the various classes of β -lactam ring and also give penicillins nomenclature.	K2	1	10
5.	Distinguish the various classes of cephalosporins and also give its SAR.	K3	1	10
6.	Write the SAR and synthesis of chloramphenicol.	K3	2	10
7.	Outline the ideal properties and applications of prodrugs with appropriate examples.	K3	2	10
SECTION-C (45 Marks)		15 Marks each		
8.	Select any three from the following list: 1. Synthetic reaction of PASA. 2. Synthetic reaction of ciprofloxacin. 3. Synthetic reaction of nitrofurantoin. 4. Synthetic reaction of isonicotinic acid hydrazide.	K4	3	15
9.	Evaluate the various classes of sulphonamides.	K5	4	15
10.	Develop a short note on the dock and autodock software and also discuss its limitations.	K5	5	15