1115

M.Sc. (Applied Chemistry / Pharmaceutical) Third Semester Paper – 301: Medicinal Chemistry

Max. Marks: 60 Time allowed: 3 Hours NOTE: Attempt five questions in all, including Question No. I which is compulsory and selecting one question from each Unit.

		1×12
Q.1	Briefly answer the following-	
٧.١	Clinical uses of propanolol	
	:: IIIDAC name of cyclopropane	
	D. the structure of gentamicin and streptomyon	
	Differentiate between nenicillin's and cepharosporm	
	a machanism of action of lettacycline	
	vi. Write structure of any two anti mycobacterium drugs	
	A LANGUINO OCCUPA	
	iii 5 described of phonytoin and its for AC hame	
	ix. Name one long acting barbiturates and its clinical use	
	a figarrengline	
	xi. What is combinatorial chemistry	
	xii. What is drug designing	
	VIII. What is drug designing	6,6
	of its antiambathmic drugs and their common mode of action with	0,0
Q.2		
	b) Explain drug metabolism reactions with suitable example	6,6
		0,0
Q. 3	Discuss the following- a) Structure, synthesis and clinical uses of cyclosporine b) Structure, synthesis and clinical uses of cyclosporine	
	f any two culphonalities and their their	,
		6,6
	ide quitable example	0,0
Q. 4		6,6
	b) Discuss the mechanism of action and clinical uses of the following Discuss mechanism of action and clinical uses of the	0,0
Q. 5	Discuss mechanism of action and states	
	a) Indomethacin	
	b) Bromohexine UNIT III	6,6
		0,0
Q. 6	Give synthesis and uses of the following	
	a) Pentobarbitone sodium	6,6
	b) Theophylline Draw the structure and mechanisms (any two drugs) of the following	0,0
Q. 7	Draw the structure and mechanisms (un)	
	categories -	
	a) Antidepressant drug	
	b) Benzodiazepines	"
	and metabolism of any one catecholamine	6,6
Q. 8	a) Discuss the storage, release and metabolism of any one catecholamine	
4.		
	b) Write a note on "discovery of lead composition	6,6
Q. 9	Write note on the following	
Q. 7	a) Lead based methods	
	b) Combinatorial chemistry	