

MSc Sem.-3 Examination

502

Chemistry (Organic) - Medical (old)

May 2022

Time : 2-00 Hours]

[Max. Marks : 50

GUJARAT UNIVERSITY			
M. Sc. Chemistry Semester-III Theory Examination, May 2022			
CHE (O) 502, Medicinal Chemistry (Old Course)			
Time: 2 hours		Max Marks: 50	
Instructions: Section I: Answer any three (3) questions out of eight (8)			
Section II: All questions are compulsory			
Illustrate your answers with neat diagrams/figures wherever necessary			
SECTION - I			Marks
Answer any three (3) questions			
1	A	Discuss the SAR of anyone drug.	[7]
	B	Give synthesis of ampicillin and chloramphenicol.	[7]
2	A	Classified antibiotics with examples.	[7]
	B	Discuss the non-classifiable antibiotics	[7]
3	A	Give synthesis of amobarbital and diazepam.	[7]
	B	Give synthesis of alprazolam and procaine.	[7]
4	A	Write a note on antipsychotic drugs.	[7]
	B	Write a note on general and local anaesthetics.	[7]
5	A	Discuss the Modern chemotherapy of malaria.	[7]
	B	Discuss the SAR of anyone antimalarial agents.	[7]
6	A	Give the synthesis of isoniazid and ethionamide.	[7]
	B	Give the synthesis of ethambutol and DDS.	[7]
7	A	Give the synthesis of diltiazem and atenolol.	[7]
	B	Give the synthesis of tolbutamide and chlorpropamide.	[7]
8	A	Give the synthesis of acetazolamide and chlorothiazide.	[7]
	B	Write a note on hypoglycemic agents.	[7]
SECTION - II			
9		Answer the following questions (1 mark each)	[8]
	A	What are lactam antibiotics?	
	B	Give the structure of novalgin.	
	C	What is antibiotic resistance?	
	D	What are sedative drugs?	
	E	What is TB?	
	F	What are prophylactic agents?	
	G	What is cardiovascular drug?	
	H	Give the structure of furosemic.	