

C.U. SHAH UNIVERSITY

Winter Examination-2021

Subject Name: Medicinal Chemistry II - Theory

Subject Code: BP501T

Branch: B.Pharm

Semester: 5

Date: 17/12/2021

Time: 11:00 To 02:00

Marks: 75

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1	Attempt the following questions:	(20)
	a) What are positive and negative inotropic agents?	2
	b) Give structure and uses of Clofibrate.	2
	c) What is diabetes and differentiate types of diabetes.	2
	d) Give the mechanism of Coagulation.	2
	e) Define antihistaminic drug and discuss various histaminic receptor in body.	2
	f) Write a note on drug used in CHF.	2
	g) Give structure and uses of Levocetirizine.	2
	h) Write a note on oral contraceptives.	2
	i) Give synthesis and uses of Nitroglycerin.	2
	j) Write a note on drugs used in Thyroid.	2

Attempt the following questions:

Q-2	Attempt any two of following :	(20)
	A Define and classify Antineoplastic agents and write a detail note on Alkylating Agents along with MOA.	10
	B Define diuretics, classify along with Structure in each class and write note on thiazide diuretics.	10
	C What are Local Anesthetic, give its SAR and give structure and uses of Procaine and Benzocaine.	10

Q-3	Attempt any Seven of following :	(35)
	A Write synthesis and uses of: Diphenhydramine and Methotrexate	5
	B Describe in detail Anticoagulant drugs.	5
	C Write a note on H ₂ Antagonist	5
	D Define and classify Antihypertensive Drug along with structure in each class.	5
	E Explain Insulin and its preparations.	5
	F Give synthesis and uses of: Acetazolamide and Tolbutamide	5
	G Write synthesis and uses of: Disopyramide phosphate and Warfarin	5
	H Describe Stereochemistry of Steroids.	5
	I Write synthesis and uses of: Promethazine and Methyl dopa.	5

