

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 8 EXAMINATION – WINTER -2019

Subject Code: 2280003**Date: 19-11-2019****Subject Name: Pharmaceutical Chemistry – X (Medicinal Chemistry - III)****Time: 02:30 PM TO 05:30 PM****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q.1	(a) Classify Antidiabetics. Give synthesis of Glimipiride	06
	(b) Give SAR of Dihydropyridines	05
	(c) Give synthesis of Metoprolol and Amlodipine	05
Q.2	(a) Classify antiarrhythmic agents. Give synthesis of Lignocaine	06
	(b) Discuss SAR of ACE inhibitors.	05
	(c) Give account of coagulants and anticoagulants. Give synthesis of warfarin	05
Q.3	(a) Discuss recent developments in antihyperlipidemic agents	06
	(b) Give SAR of HMG Co-A reductase inhibitors. Give synthesis of Clofibrate	05
	(c) What is Obesity? Write a note on antiobesity drugs	05
Q.4	(a) Write a note on antianginal agents	06
	(b) Discuss in brief thrombolytic agents.	05
	(c) What are plasma expanders? Provide their chemistry	05
Q.5	(a) Discuss adrenocorticoides.	06
	(b) Explain nomenclature and stereochemistry of steroids	05
	(c) Write a note on cardiac glycosides.	05
Q.6	(a) Write a brief note on sex hormones	06
	(b) What are antithyroid agents ? Classify with examples.	05
	(c) Give details on antiplatelet agents	05
Q.7	(a) What are diuretics? Give details of 5-Sulfamoyl benzoic acid derivatives	06
	(b) Give synthesis of Acetazolamide and Ethacrinic acid	05
	(c) What are immunomodulators? Discuss about each in detail	05
