

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph.- SEMESTER-V • EXAMINATION – WINTER -2019

Subject Code: BP501TT

Date: 15/11/2019

Subject Name: Medicinal Chemistry-II

Time: 02:30PM TO 05:30PM

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) Define and classify oral hypoglycemic agents.	06
	(b) Explain the SAR of local anesthetic agents.	05
	(c) Give detail note on thyroid hormones and write a note on anti-thyroid drugs.	05
Q.2	(a) Write a note on nomenclature and stereochemistry of steroids.	06
	(b) Discuss coagulants and anticoagulants.	05
	(c) Give detail note on oral contraceptives.	05
Q.3	(a) Define and classify Antiarrhythmic drugs. Explain mode of action in each class.	06
	(b) Write a note on proton pump inhibitors.	05
	(c) Write a note on drugs used in congestive heart failure.	05
Q.4	(a) Give structure and uses of (i) Diltiazem (ii) Verapamil (iii) Clofibrate	06
	(b) Explain types of diabetes and write a note on various insulin preparations.	05
	(c) Write a short note on ACE inhibitors.	05
Q.5	(a) What are anti-histaminic? How they act? Classify them with examples.	06
	(b) Write a note on HMG Co-A reductase inhibitors.	05
	(c) Write a note on H ₂ -antagonists.	05
Q. 6	(a) Define and Classify Antihypertensive agents with examples.	06
	(b) Give Synthesis of (i) Diphenhydramine hydrochloride (ii) Furosemide	05
	(c) Write a note on potassium sparing diuretics and thiazide diuretics.	05
Q.7	(a) Write detail classification and short mechanism of action of anticancer agents	06
	(b) Give Synthesis of (i) Cimetidine (ii) Tolbutamide	05
	(c) Write short note on corticosteroids.	05
