Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

B. Pharm. - SEMESTER - VIII • EXAMINATION - WINTER • 2016

Subject Code: 2280003	Date: 24-11-2016
Subject Name: Pharmaceutical Chemistry-	X (Medicinal Chemistry -III)
Time: 02:30 pm - 05:00 pm	Total Marks: 80

## **Instructions:**

1.	Attemp	t anv	five o	questions.
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- Make suitable assumptions wherever necessary.
  Figures to the right indicate full marks.

Q.1	(a)	Define and classify Antinyperlipidemic Agents. Give the structural			
		Formula of any three drugs belonging to different class.	06		
	(b)	Discuss the SAR among HMG CoA Reductase inhibitors.	05		
	(c)	Give the method of synthesis of			
		(i) Clofibrate (ii) Warfarin	05		
<b>Q.2</b>	(a)	Define and classify Diuretic Agents. Give the structural formula			
		of any three drugs belonging to different class.			
	(b)	Discuss the SAR among			
		(i) Thiazide Diuretics (ii) 5- Sulfamoyl Benzoic acid derivatives.	05		
	(c)	Give the method of synthesis of			
		(i) Ethacrinic acid (ii) Furosemide	05		
Q.3	(a)	Write short note on Coagulants and Anti- Coagulants	06		
	(b)	Write informative note on Anti platelet Agents	05		
	(c)	Discuss detail about Plasma expanders	05		
<b>Q.4</b>	(a)	Write detail note on Cardio tonic Agents	06		
	(b)	Write informative note on Anti-obesity Agents	05		
	(c)	What do you understand by Immunomodulators?	05		
<b>Q.5</b>	(a)	Define and classify Hypoglycemic Agents.			
		Illustrate your answer with specific examples			
	(b)	Give the method of synthesis and uses of			
		(i) Glimipride (ii) Pioglitazone	05		
	(c)	Give the synthesis and uses of			
		(i) Methimazole (ii) Tolbutamide	05		
<b>Q.6</b>	(a)	Explain in detail the nomenclature and stereochemistry of			
		Steroidal Compounds.	06		
	(b)	Write Short note on Adrenocorticoids	05		
	(c)	Write brief note on Sex Hormones.	05		
<b>Q.7</b>	(a)	Define and classify Antihypertensive Agents with suitable examples.	06		
	(b)	Give the synthesis and uses of			
		(i) Amlodipine (ii) Atenolol	05		
	(c)	Write informative note on Anti angial Agents.			
		Give the synthesis of Isosorbidedinitrate	05		

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