Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm-Semester-VIII Summer-2012 Examination Subject code: 280003

Time:		ubject Name: Pharmaceutical Chemistry- X(Medicinal Chemistry) am to 1:30pm Date: 21-05-2012 Total Marks: 80	
1. 2.	Make		06 05 05
Q.2	(a)	Define Antiarrythmic drugs. Give a comprehensive account of 'antiarrythmic agents' used as CVS drugs with one example in each category.	06
	(b) (c)	Outline SAR activity of HMG COA Reductase inhibitors. Outline synthesis of following (a) Furosemide (b) Captopril	05 05
Q.3	(a)	Define Atherosclerosis and classify Antihyperlipidemic agents and give normal values for LDL, HDL, Triglycerides and Total Cholesterol levels.	06
	(b)	Write a note on Hansch Linear Free energy Relationship (LFER) model.	05
	(c)	Outline SAR activity of Thiazide diuretics.	05
Q.4	(a) (b) (c)	How do computer aided Physico-chemical methods helps for drug interaction sequel to drug design Write a note on Angiotensin II receptor antagonist with example Discuss mode of action of Thiazide and carbonic anhydrase inhibitors.	06 05 05
Q.5	(a) (b) (c)	Sketch out the process of blood clotting schematically and discuss on the intervention part of anticoagulants. Write a note on organic nitrates. Give structures of following (a) Hydralazine (b) Procainamide (c) Acetazolamide (d) Spiranolactone	06 05 05
Q. 6	(a) (b) (c)	Write a note on Antiplatelet agents and Thrombolytic agents. Role of Combinatorial chemistry Write a note on Plasma expanders	06 05 05
Q.7	(a)	What do you mean by Molecular Modeling? What are two major aspects of	06

molecular modeling? Explain Write a note on Antiobese drugs. (b) **05** 05

Synthesis of (a) Warfarin (b) Dobutamine (c)