Seat No.:		Enrolment No	Enrolment No.	
		GUJARAT TECHNOLOGICAL UNIVERSITY		
		M.PHARM- SEM-III-EXAMINATION – MAY 2012		
Subject code: 930101		le: 930101 Date: 1	Date: 18/05/2012	
•		me: Advanced Medicinal Chemistry		
Time: 10:30 am – 01:30 pm		•	Total Marks: 80	
	uction	-		
		pt any five questions.		
		suitable assumptions wherever necessary.		
		es to the right indicate full marks.		
0.1	(0)	What are the retional habind was of mismongonism for days	06	
Q.1	(a)	What are the rational behind use of microorganism for drug synthesis? Explain in detail with suitable examples.	VV	
	(b)	Discuss in detail about Enzyme Immobilization Techniques.	05	
	(c)	Discuss the use of microbes for the synthesis of antibiotics.	05	
Q.2	(a)	Classify the cephalosporins and discuss future developments in	08	
	(b)	cephalosporin design. Discuss the current and emerging targets for the oral hypoglycemic	08	
	(0)	activity.	00	
Q.3	(a)	What is combinatorial chemistry? Discuss about its importance in	06	
		new drug discovery. What are its advantages over other drug discovery approaches?		
	(b)	Write in detail about recent advances in antifungal agents.	05	
	(c)	Write in detail about High Throughputs Screening (HTS).	05	
Q.4	(a)	Discuss about recent advances in agents used to treat alzheimer's	06	
	(b)	disease. Give detail account on Interferon and Insulin.	05	
	(c)	Write a short note on peptidomimetics.	05 05	
0.5		• •	0.0	
Q.5	(a)	What are NSAIDS? Discuss the emerging targets for anti inflammatory activity.	06	
	(b)	Discuss the SAR of fluoroquinolones and recent advances in this	05	
	` '	class.		
	(c)	What are neurodegenerative diseases? Discuss in detail about antiparkinson drugs.	05	
Q. 6	(a)	What is (MDR-TB)? Discuss the investigational compounds for	06	
	(b)	tretment of (MDR-TB). What is Cancer? Discuss the recent and future advances in its	05	
	(0)	treatment.	US	
	(c)	Discuss the Chemistry and SAR of glucocorticoids and recently	05	