Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY M. PHARM. - SEMESTER – III • EXAMINATION – WINTER 2012

•		Date: 23/11/2012
•	ect Name: Advanced Medicinal Chemistry e: 10.30 am - 01.30 pm	Total Marks: 80
	ructions:	
	 Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 	
Q.1.	account on various methodologies for synthesis and methods for identifying activ from library.	
	b. Write a note on Solid phase synthesis of peptides.	06
Q.2.	a. What are the different neurodegenerative diseases? Or you have studied with recent advances in its therapy.	08
	b. Write a note on immuomodulators.	04
	c. Outline synthetic route for atorvastatin.	04
Q.3.	a. How microorganisms are useful in drug synthesis? Description what are its limitations? b. What are the recent advances in the therapy of hyperone.	08
	for Nifedipine and Losartan.	08
Q.4.	 a. Give chemical as well as target base classification of antimalarial agents. What the recent advances in the therapy of malaria? Give synthesis of chloroquine a pyrimethamine. b. Write a note on recent development in the therapy of fungal infection. 	
Q.5.	a. What problems resistance can cause in the therapy of tuberculosis? What ar recent advances in the therapy of TB? Give synthesis of Isoniazid ethambutol.b. Write a note on somatostatin.	
Q.6.	a. Write a note on development and fate of COX-2 inhibitors. What are altern targets for NSAIDs? b. What are the requirements for ideal H1-receptor antihistaminic agent. Write in brabout the recent development in this area. Give synthesis on Cetirizine.	
Q.7.	Write short note on following a. HTS b. Fuoroquinolones as antibacterial agents c. Recent development in the treatment of hyperlipidem d. Oral hypoglycemic agents	4 x 4
