Seat No.:	Enrolment No.
-----------	---------------

GUJARAT TECHNOLOGICAL UNIVERSITY M. PHARM - SEMESTER-III • EXAMINATION – SUMMER-2016

Subject Code: 930101 Date: 27/05/2016

Subject Name: Advanced Medicinal Chemistry

Time: 2:30 PM to 5:30 PM 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) (b) (c)	Write a note on Solid Phase synthesis of peptides. Discuss SAR of tetracycline group of antibiotics. Discuss various glucocorticoids in detail.	06 05 05
Q.2	(a) (b) (c)	Give the synthesis of Chloroquine and Pyrimethamine. Write note on HIV protease inhibitors. Write a note on recent development in the therapy of fungal infection.	06 05 05
Q.3	(a) (b) (c)	What are the rational behind use of microorganism for drug synthesis? Explain with suitable examples. Write a note on antiparkinson drugs. Discuss recent advances in theory of Neurodegenerative diseases.	06 05 05
Q.4	(a) (b) (c)	Discuss recent advances in antiviral agents. Write synthesis of Isoniazide and Ethambutol. Discuss SAR angiotension receptor blockers.	06 05 05
Q.5	(a) (b) (c)	Write in detail about peptidomimetics. Write a note on Interferon and Insulin. Give detail account on High Throughputs Screening (HTS).	06 05 05
Q. 6	(a)(b)(c)	Classify cephalosporins and write a note on future developments in cephalosporin design. Define anti cancer agents with classification and recent development in cancer therapy. Write a note on Combinatorial Chemistry.	06 05 05
Q.7	(a) (b) (c)	What is hypertension? Explain recent developments in antihypertensive drugs. Give synthesis of Clonidine and Lidocain. What are antimalarials? Classify and give synthesis of any one drug.	06 05 05
