

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**M. Pharm - SEMESTER-III • EXAMINATION -WINTER-2016**

**Subject Code:930101****Date: 23/11/2016****Subject Name: Advanced Medicinal Chemistry****Time: 10.30 am – 01.30 pm****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

<b>Q.1</b>	(a) Explain SAR of tetracycline group of antibiotics.	<b>06</b>
	(b) Write a note on recent development of antitubercular agents.	<b>05</b>
	(c) Give detail account on Solid phase synthesis of peptides.	<b>05</b>
<b>Q.2</b>	(a) Discuss role of microbes for the synthesis of steroids with examples.	<b>06</b>
	(b) Explain recent advances in treatment of Arrhythmia.	<b>05</b>
	(c) Write a note on relaxin	<b>05</b>
<b>Q.3</b>	(a) Discuss chemistry of prostaglandin.	<b>06</b>
	(b) Write synthesis of Isoniazide and Ethambutol.	<b>05</b>
	(c) Explain advances in kinase receptor for anti-cancer agents	<b>05</b>
<b>Q.4</b>	(a) Discuss recent advances in H <sub>2</sub> -antagonists.	<b>06</b>
	(b) Write a note Enzyme Immobilisation Technique.	<b>05</b>
	(c) Write a short note on peptidomimetics.	<b>05</b>
<b>Q.5</b>	(a) Discus recent advances in COX-II inhibitors.	<b>06</b>
	(b) Discuss about recent advances in agents used to treat alzheimer's disease.	<b>05</b>
	(c) Explain role angiotensin-II receptor blockers in treatment of hypertension.	<b>05</b>
<b>Q. 6</b>	(a) Write a note on immunosuppressants.	<b>06</b>
	(b) Discuss recent advances in HIV-Integrase inhibitors	<b>05</b>
	(c) Explain recent advances in oral hypoglycemic agents.	<b>05</b>
<b>Q.7</b>	(a) Write a note on High Throughputs Screening (HTS)	<b>06</b>
	(b) Write in brief about Interferon.	<b>05</b>
	(c) Discuss limitations of combinatorial chemistry.	<b>05</b>

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