Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. Pharm. – SEMESTER – III • EXAMINATION – WINTER 2013

Subject Code: 930101 **Date: 11-12-2013**

Subject Name: Advance 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.**

Q.1	**(a)**	Write in detail about recent drugs and investigational compounds used in alzheimer's disease.	**08**
	(b)	Write about enzyme immobilization techniques in detail.	**08**
Q.2	**(a)**	Discuss structure, reactivity and stability of insulin in detail.	**08**
	(b)	Discuss about recent advancement in antiatherosclerotic agents.	**08**
Q.3	**(a)**	Write in detail about recent drugs and investigational compounds used in fungal infection.	**08**
	(b)	Write in detail about high throughput screening.	**08**
Q.4	**(a)**	Write in detail about recently discovered antimalarial agents.	**08**
	(b)	Write various methods for the synthesis of peptides.	**08**
Q.5	**(a)**	Write a note on peptidomimetics.	**08**
	(b)	Discuss the recent developments in NSAIDs.	**08**
Q. 6	**(a)**	Explain the use of microorganisms in antibiotics synthesis.	**08**
	(b)	Discuss various recently discovered reverse transcriptase inhibitors.	**08**
Q.7	**(a)**	Discuss the recent developments in oral hypoglycemic agents.	**08**
	(b)	Explain solution phase combinatorial synthesis in detail.	**08**

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