

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.**

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|-------------|------------|---|-----------|
| 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 |
