

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.

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