

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – VII • EXAMINATION – WINTER • 2014

Subject Code: 270006

Date: 06/12/2014

Subject Name: Pharmacology-III

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) Explain mechanism of action of antimicrobial agents that interfere with cell wall synthesis with suitable illustrations. | 06 |
| | (b) Write the pharmacology of 5HT ₃ antagonists. | 05 |
| | (c) Write a note on oxytocics. | 05 |
| Q.2 | (a) Explain in detail biochemical mechanisms of resistance to antibiotics. | 06 |
| | (b) Write note on chloramphenicol. | 05 |
| | (c) How are monoclonal antibodies useful in the treatment of cancer? | 05 |
| Q.3 | (a) Write the anti-bacterial spectrum, mechanism of action and therapeutic uses of cephalosporins. | 06 |
| | (b) Write a note on drugs used in treatment of candidiasis. | 05 |
| | (c) Write a note on folate antagonists and therapeutic applications of Cotrimoxazole. | 05 |
| Q.4 | (a) Classify antimalarial drugs. Describe the mechanism of action and adverse effects of Chloroquine. | 06 |
| | (b) Write a note antisecretory agents used in treatment of peptic ulcer. | 05 |
| | (c) Describe the pharmacology of drugs for the treatment of luminal amoebiasis. | 05 |
| Q.5 | (a) Classify anthelmintic agents. Write a short note on pharmacology of Albendazole. | 06 |
| | (b) Write a note on adverse effects and uses of isoniazid. | 05 |
| | (c) Describe the pharmacology of thyroid hormones. | 05 |
| Q.6 | (a) Explain the mechanism of action of insulin. Write a note on different insulin preparations and their indications. | 06 |
| | (b) Classify antiviral drugs on the basis of mechanism of action. | 05 |
| | (c) Write a note on replacement therapy using corticosteroids. | 05 |
| Q.7 | (a) Classify laxatives with examples. Write a brief account on fecal softeners. | 06 |
| | (b) Explain the mechanism of action and uses of theophylline. | 05 |
| | (c) Write a note on oral contraceptives. | 05 |
