

GUJARAT TECHNOLOGICAL UNIVERSITY
B. PHARM. - SEMESTER – VII • EXAMINATION – WINTER 2012

Subject code: 270006**Date: 08/01/2013****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) Classify Chemotherapeutic agents based on mechanism of action and spectrum of activity **06**
(b) Explain oxytocics and tocolytics with suitable examples. Write therapeutic uses of oxytocin **05**
(c) Give classification of immunosuppressants. Write pharmacology of ciclosporin. **05**
- Q.2** (a) Write antibacterial spectrum and adverse effects of penicillin. Classify semisynthetic penicillins. **06**
(b) Discuss mechanism of action and therapeutic uses of nitric oxide **05**
(c) Describe mechanism of action, spectrum and side effects of amphotericin B **05**
- Q.3** (a) Write a note on co-trimoxazole. **06**
(b) Compare and contrast chloramphenicol and Tetracyclines **05**
(c) Justify use of corticosteroids in asthma. Compare systemic and inhaled steroid therapy in asthma. **05**
- Q.4** (a) Enumerate drugs used in urinary tract infections. Write a note on ciprofloxacin. **06**
(b) Write characteristics and therapeutic uses of aminoglycoside antibiotics **05**
(c) Classify oral hypoglycaemic agents. Write pharmacology of insulin **05**
- Q.5** (a) Give clinical classification of anti-malarial drugs. Write adverse effects of chloroquine. **06**
(b) Write mechanism of action, adverse effects and therapeutic uses of Metronidazole **05**
(c) Write a note on contraceptive pills. **05**
- Q.6** (a) What is HAART? Discuss reverse transcriptase inhibitors. **06**
(b) Discuss first line drugs used for the treatment of tuberculosis **05**
(c) Enumerate drugs used in hyperthyroidism and Write pharmacology of carbimazole **05**
- Q.7** (a) Write mechanisms and sites of action of anticancer agents **06**
(b) Write a note on Macrolide antibiotics **05**
(c) Discuss mode of action of antisecretory agents. Write their therapeutic uses. **05**