

GUJARAT TECHNOLOGICAL UNIVERSITY**B. Pharm. – SEMESTER – VII • EXAMINATION – SUMMER • 2014****Subject Code: 270006****Date: 17-06-2014****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) Enumerate various antimalarial drugs. Write the mechanism of action and adverse effects of Chloroquine. **06**
- (b) Explain mechanism of action of antimicrobial agents that interfere with cell wall synthesis with suitable illustrations. **05**
- (c) Classify beta lactam antibiotics. **05**
- Q.2** (a) Give the mechanism of action and uses of the following: **06**
- (i) Dapsone
- (ii) Cotrimoxazole
- (iii) Erythromycin
- (b) Describe the mechanism of action, adverse effects and uses of rifampicin **05**
- (c) Describe the pharmacology of Amphotericin B. **05**
- Q.3** (a) Enlist the adverse effects and uses of the following drugs: **06**
- (i) Ciprofloxacin
- (ii) Tetracyclines
- (iii) Mebendazole
- (b) Describe the mechanism of action, adverse effects and uses of aminoglycosides. **05**
- (c) Write a short note on antiretroviral drugs. **05**
- Q.4** (a) Classify oral hypoglycaemic drugs. Explain why glitazones are referred as “insulin sensitizers”? **06**
- (b) Write a detailed note on anticancer agents from plant origin. **05**
- (c) Explain in detail the drugs used in treating ‘Graves disease.’ **05**
- Q.5** (a) Classify immunosuppressants. Write mechanism of action and adverse effects of cyclosporine. **06**
- (b) Write a note on replacement therapy using corticosteroids. **05**
- (c) Write a note on oxytocics. **05**
- Q. 6** (a) Write a short note on: **06**
- (i) Mini Pills
- (ii) Anabolic steroids
- (b) Explain the mechanisms of action, adverse effects of various drugs used in asthma. **05**
- (c) Write a note on expectorants and antitussive agents. **05**
- Q. 7** (a) Explain the mechanism of action, toxicity and uses of stimulant purgatives. **06**
- (b) Write the pharmacology of 5HT₃ antagonists. **05**
- (c) Classify antiulcer drugs. **05**
