

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – VII • EXAMINATION – WINTER 2013

Subject Code: 270006**Date: 07-12-2013****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 semi synthetic penicillins. Write antibacterial spectrum and therapeutic uses of amoxycillin. **06**
- (b) Explain in detail about mechanism of action and therapeutic uses of quinolones. **05**
- (c) Write in brief about antiemetic drugs. **05**
- Q.2** (a) Classify anticancer drugs. Write in detail about paclitaxel. **06**
- (b) Write mechanism of action of 1. Co-trimoxazole 2. Rosiglitazone **05**
- (c) Write a short note on oral contraceptives. **05**
- Q.3** (a) Classify antimalarial drugs. Write pharmacological actions of quinine. **06**
- (b) Write in detail about mechanism of action, adverse effects, and therapeutic uses of pantoprazole. **05**
- (c) Write a note on aminoglycoside antibiotics. **05**
- Q.4** (a) Classify antifungal drugs. Write in brief about amphotericin B. **06**
- (b) Discuss in detail about mechanism of action, adverse effects and therapeutic uses of rifampicin. **05**
- (c) Write a short note on nitric oxide. **05**
- Q.5** (a) Classify drugs used in bronchial asthma. Discuss β_2 agonist as bronchodilators. **06**
- (b) Write in brief about mechanism of action, adverse effects and therapeutic uses of acyclovir. **05**
- (c) Write a short note on bacterial drug resistance. **05**
- Q. 6** (a) Classify oral hypoglycemic drugs. Explain in brief about pharmacology of sulphonylureas. **06**
- (b) Explain in brief about pharmacology of corticosteroids. **05**
- (c) Write mechanism of action and adverse effects of following:
1. Tetracycline 2. Dapsone
- Q. 7** (a) Classify anti thyroid drugs. Discuss in brief about mechanism of action and adverse effects of methimazole. **06**
- (b) Write differences in mechanism of action, adverse effects and therapeutic uses of estrogen and progesterone. **05**
- (c) Write a note on immunosuppressant drugs. **05**
