

GUJARAT TECHNOLOGICAL UNIVERSITY

B.PHARM. - SEMESTER- VII • EXAMINATION – SUMMER-2016

Subject Code: 270006

Date: 13/05/2016

Subject Name: Pharmacology- III

Time: 2:30 PM to 5:30 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 molecular mechanism of action of cell wall synthesis inhibition in detail. **06**
(b) Pharmacology of nitric oxide **05**
(c) Classify anti-ulcer drugs and give account on proton pump inhibitors **05**
- Q.2** (a) Classify antineoplastic agents and explain mechanism of action of alkylating agents. **06**
(b) Write short note on antithyroid drugs **05**
(c) Explain pathophysiology of bronchial asthma. Give brief note on any one class of antiasthmatic drugs. **05**
- Q.3** (a) Classify antiviral drugs and explain HIV cycle **06**
(b) Give detailed note on insulin **05**
(c) Write down short note on emetics and anti-emetics **05**
- Q.4** (a) Write short note on cephalosporins **06**
(b) Explain pharmacology of mineralocorticoids **05**
(c) Write short note on immunosuppressive agents **05**
- Q.5** (a) Explain mechanism of action, antibacterial spectrum, pharmacokinetics, therapeutic use, adverse effects and repository preparation of Penicillin-G **06**
(b) Write short note on oralhypoglycemic agents **05**
(c) Classify antimotility drugs and explain any one in detail. **05**
- Q. 6** (a) Difference between tetracycline and chloramphenicol **06**
(b) Classify endocrine glands and their hormones **05**
(c) Classify sulfonamides and explain “co-trimoxazole” combination **05**
- Q.7** (a) Give detailed classification of antimalarial drugs with life cycle of malarial parasites **06**
(b) Explain mechanism of action, antibacterial spectrum, pharmacokinetics, therapeutic use, adverse effects of streptomycin **05**
(c) Give detailed account on estrogens and antiestrogens **05**
