

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – VII • EXAMINATION – SUMMER • 2015

Subject Code: 270006

Date: 16-05-2015

Subject Name: Pharmacology - III

Time: 02:30 pm - 05:30 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) Define chemotherapy and explain different mechanisms of chemotherapeutic agents. | 06 |
| | (b) Explain synthesis, storage and release of thyroid hormones. Enlist six antithyroid drugs. | 05 |
| | (c) Classify antineoplastic drugs. | 05 |
| Q.2 | (a) Write a short note on life cycle of malarial parasites. | 06 |
| | (b) Give short note on expectorants and classify drugs used in asthma. | 05 |
| | (c) Explain structure, pharmacological actions and enlist different preparations of insulin. | 05 |
| Q.3 | (a) Write a short note on mechanism, side effects, therapeutic effects and anti bacterial spectrum of streptomycin. | 06 |
| | (b) Write a short note on reverse transcriptase inhibitors. | 05 |
| | (c) Comment on followings
(1) All antibiotics are chemotherapeutic agents.
(2) Combination of Sulfadiazine and trimethoprim is known as Co- trimoxazole. | 05 |
| Q.4 | (a) Write a short note on glucocorticoids. | 06 |
| | (b) Explain molecular mechanism of action, side effects, therapeutic effect and antibacterial spectrum of penicillins. | 05 |
| | (c) Write a short note on emetics and anti-emetics. | 05 |
| Q.5 | (a) Differentiate between tetracycline and chloramphenicol. | 06 |
| | (b) Give detailed account on immunosuppressant. | 05 |
| | (c) Classify male and female sex hormones and explain about estrogens. | 05 |
| Q. 6 | (a) Explain pharmacology of proton pump inhibitors. | 06 |
| | (b) Give classification, antibacterial spectrum and side effects of cephalosporins. | 05 |
| | (c) Write a short note on antifungal drugs. | 05 |
| Q.7 | (a) Write synthesis and pharmacological actions of nitric oxide. | 06 |
| | (b) Write a short note on anthelmintic drugs. | 05 |
| | (c) Define terms: super infection, malignant tumor, gray baby syndrome, synergism and ototoxicity. | 05 |
