

GUJARAT TECHNOLOGICAL UNIVERSITY

B.PHARM – SEMESTER – VII • EXAMINATION – WINTER – 2015

Subject Code: 2270004

Date: 11/12/2015

Subject Name: Pharmacology and Pharmacotherapeutics-III

Time: 10.30 AM to 1.30 PM

Total Marks: 80

Instructions:

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

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|-------------|------------|--|-----------|
| Q.1 | (a) | Discuss antibacterial spectrum and adverse effects of aminoglycoside antibiotics. | 06 |
| | (b) | Discuss pathogenesis and treatment of urinary tract infections. | 05 |
| | (c) | Discuss diagnosis of tuberculosis. | 05 |
| Q.2 | (a) | Classify antiviral drugs and write mechanism of action and uses of Ganciclovir. | 06 |
| | (b) | Write a note on Co-trimoxazole. | 05 |
| | (c) | Write a note on Tamoxifen. | 05 |
| Q.3 | (a) | Discuss role of human papilloma virus in the pathogenesis of cervical cancer. | 06 |
| | (b) | Enlist antibiotics used in cancer therapy. Write a note on Daunorubicin. | 05 |
| | (c) | Give similarities and dissimilarities between dengue and chikungunya. | 05 |
| Q.4 | (a) | Give different types of leukaemias. Explain pathophysiology and management of chronic leukemias. | 06 |
| | (b) | Discuss mechanism of action and uses of Levofloxacin. | 05 |
| | (c) | Give antibacterial spectrum of β -lactam antibiotics. Discuss advantages and use of semisynthetic penicillins. | 05 |
| Q.5 | (a) | Discuss similarities and dissimilarities of Hodgkin's disease and non-Hodgkin's lymphoma. | 06 |
| | (b) | Discuss lifecycle of malaria and pathological changes in organs. | 05 |
| | (c) | Write side effects of Chloramphenicol. | 05 |
| Q. 6 | (a) | Explain various forms of influenza virus infections. Write etiopathogenesis of SARS and its diagnosis. | 06 |
| | (b) | Explain development of resistance to antimicrobial agents. | 05 |
| | (c) | Justify use of Folinic acid with Methotrexate treatment. | 05 |
| Q.7 | (a) | Explain pathophysiology, symptoms, and investigations of prostate cancer. | 06 |
| | (b) | Compare and contrast Erythromycin and Azithromycin. | 05 |
| | (c) | Write pathogenesis of HIV infection. | 05 |
