

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM – SEMESTER – 7- EXAMINATION –WINTER - 2018

Subject Code: 270006

Date: 28/11/2018

Subject Name: Pharmacology-III

Time: 10:30 AM TO 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.**

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|-------------|-----|---|-----------|
| Q.1 | (a) | Classify antibiotics according to its mechanism of action. Discuss the mechanism of bacterial resistance against antibiotics. | 06 |
| | (b) | Explain the mechanism, adverse effects and uses of Cephalosporins. | 05 |
| | (c) | Explain molecular mechanism of action of cell wall synthesis inhibition in detail. | 05 |
| Q.2 | (a) | Define chemotherapy and explain different mechanisms of chemotherapeutic agents. | 06 |
| | (b) | Explain WHO categorization of T.B. patients and recommended dose regimen. | 05 |
| | (c) | Classify antiulcer agents? Write a note on proton pump Inhibitors. | 05 |
| Q.3 | (a) | Classify immunosuppressants. Write mechanism of action and adverse effects of cyclosporine. | 06 |
| | (b) | Write a note on oxytocics. | 05 |
| | (c) | Write a note on replacement therapy using corticosteroids. | 05 |
| Q.4 | (a) | Classify antimalarial drugs. Describe the mechanism of action and adverse effects of Chloroquine. | 06 |
| | (b) | Give short note on expectorants and classify drugs used in asthma | 05 |
| | (c) | Describe synthesis of nitric oxide. Write therapeutic uses of NO donors. | 05 |
| Q.5 | (a) | Write a short note on life cycle of malarial parasites. | 06 |
| | (b) | Write a short note on expectorants. | 05 |
| | (c) | Give detailed account on estrogens and antiestrogens. | 05 |
| Q. 6 | (a) | Classify oral hypoglycemic agents and differentiate between Sulphonylurea, DPP4 inhibitors and Biguanides. | 06 |
| | (b) | Write the mechanism of action of antileprotic drugs? | 05 |
| | (c) | Write a short note on anthelmintic drugs. | 05 |
| Q.7 | (a) | What is HAART? Discuss pharmacology of reverse transcriptase inhibitors. | 06 |
| | (b) | Classify antiviral drugs on the basis of mechanism of action. | 05 |
| | (c) | Define terms: super infection, malignant tumor, gray baby syndrome, synergism and ototoxicity. | 05 |
