

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.**

- 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**
