

Seat No.: _____

Enrolment No. _____

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

Subject Code: 2270004**Date: 22/11/2018****Subject Name: Pharmacology and Pharmacotherapeutics – 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 antimicrobial agents and give disadvantages of combined antimicrobial agents therapy. **06**
(b) Explain the different mechanisms of resistance with examples. **05**
(c) Write a note on antifungals. **05**
- Q.2** (a) Discuss the mechanism of (any five): **10**
1) Griseofulvin 2) Chloramphenicol 3) Vancomycin 4) Oseltamivir
5) Clavulanic acid 6) Cotrimoxazole
(b) What is DOTS? Write a short note on management of Tuberculosis. **06**
- Q.3** (a) Classify cephalosporins. Explain their mechanism of action and adverse effects. **06**
(b) Explain in detail the pharmacology of Ciprofloxacin. **05**
(c) Discuss the pathophysiology and management of Enteric infection. **05**
- Q.4** (a) Discuss the pathophysiology and treatment of Prostate Cancer. **06**
(b) Describe the complications and management of Hodgkin's Lymphoma. **05**
(c) Write a note on macrolides. **05**
- Q.5** (a) Give the principle use and adverse effects of (any four): **10**
1) Streptomycin 2) Zidovudine 3) Dapsone 4) Acyclovir 5) Tetracycline
(b) Discuss the pathophysiology, prevention and management of Amoebiasis. **06**
- Q. 6** (a) Classify anticancer drugs highlighting their mechanism of action. **06**
(b) Discuss the pathophysiology, complications and management of Leptospirosis. **05**
(c) Discuss the management of UTI. **05**
- Q.7** (a) Comment: **06**
1) Gray baby syndrome is a common adverse effect of Chloramphenicol.
2) Adrenaline is used in penicillin induced Anaphylaxis.
3) Pyridoxine is used concomitantly with Isoniazid.
(b) Write a note on anthelmintics. **05**
(c) Outline the life cycle of Malarial parasite. Discuss the use of "Co-artemether". **05**
