

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY**B.Pharm- SEMESTER-VII • EXAMINATION – WINTER -2020****Subject Code: 2270004****Date: 08/01/2021****Subject Name: Pharmacology and Pharmacotherapeutics – III****Time: 10:30AM To 12:30PM****Total Marks: 54****Instructions:**

1. Attempt any **THREE** questions from Q-1 to Q-6.
2. Q.7 is compulsory to attempt.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

- Q.1** (a) What is TNM staging in breast cancer? Describe role of biological and hormonal therapy in management of breast cancer. **06**
- (b) Classify Leprosy with its characteristic features. Explain multi drug therapy for leprosy. **05**
- (c) Define antibiotic. Discuss various factors to choose appropriate antimicrobial agent. **05**
- Q.2** (a) Explain pathophysiology, risk factors, symptoms and diagnosis of prostate cancer. **06**
- (b) Discuss mechanism of action, therapeutic uses and adverse effects of azithromycin. **05**
- (c) Write symptoms, pathogenesis, diagnosis and treatment of urinary tract infections. **05**
- Q.3** (a) Describe symptoms, diagnosis, management and complications of dengue. **06**
- (b) Discuss pathogenesis and management of Gonorrhea. **05**
- (c) Write a note on herpes virus. **05**
- Q.4** (a) Classify antifungal agents. Write pharmacology of Griseofulvin. **06**
- (b) Describe symptoms, pathogenesis diagnosis and treatment of meningitis. **05**
- (c) Write a note sub-acute respiratory syndrome. **05**
- Q.5** (a) Classify antimicrobial drugs according to mechanism of action. Write therapeutic uses and side effects of chloramphenicol. **06**
- (b) Describe biochemical mechanisms of resistance to antibiotics. **05**
- (c) Discuss similarities and dissimilarities of Hodgkin's disease and non-Hodgkin's lymphoma. **05**
- Q. 6** (a) Discuss symptoms, diagnosis and treatment regimen for tuberculosis. **06**
- (b) Enumerate plant origin anticancer drugs. Discuss mechanism of action and adverse effects of vinca alkaloid. **05**
- (c) Classify anthelmintic agents. Write pharmacology of Albendazole. **05**
- Q.7** (a) Explain lifecycle of malarial parasite with drugs acting on various phases and discuss management of *P. vivax* malaria. **06**
- OR**
- (a) Classify antiviral drugs and write mechanism of action and uses of Zidovudine. **06**
- OR**
- (a) Write a note on Leishmaniasis. **06**
