

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm. - SEMESTER-VI • EXAMINATION – WINTER -2020

Subject Code: BP602TP**Date: 05/01/2021****Subject Name: PHARMACOLOGY III****Time: 02:00PM TO 04:00PM****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) Classify anti asthmatic drugs. Describe role of sympathomimetics in the treatment of asthma. **06**
- (b) Explain drug therapy for diarrhea. **05**
- (c) Write a note on antitussives. **05**
- Q.2** (a) Classify semi synthetic penicillins. Write antibacterial spectrum and therapeutic uses of amoxicillin. **06**
- (b) Write a note on proton pump inhibitors. **05**
- (c) Write in detail about systemic antifungal agents. **05**
- Q.3** (a) Classify anticancer agents. Discuss anti metabolites in detail. **06**
- (b) Describe the characteristics and mechanism of action of aminoglycosides. **05**
- (c) Describe mechanism of action and adverse effects of chloramphenicol. **05**
- Q.4** (a) Classify immunosuppressants. Describe pharmacology of ciclosporin. **06**
- (b) Write a note on anthelmintics. **05**
- (c) Define following term: 1) Teratogenicity 2) Chronobiology 3) Sub acute toxicity 4) Antibiotics 5) Drug resistance **05**
- Q.5** (a) What is DOTS? Discuss the management of tuberculosis with special emphasis on Isoniazid. **06**
- (b) Classify anti-malarial drugs. Write adverse effects of chloroquine. **05**
- (c) Write a note on sexually transmitted diseases. **05**
- Q.6** (a) Classify antiviral drugs. Describe pharmacology of acyclovir. **06**
- (b) Discuss signs-symptoms and complications of various urinary tract infections. **05**
- (c) Write mechanism of action and therapeutic uses of fluoroquinolones. **05**
- Q.7** (a) Classify sulphonamides and explain its mechanism of action and adverse effects. **06**
- OR**
- (a) Classify antiemetic drugs. Explain prokinetic drugs. **06**
- OR**
- (a) Discuss symptoms and management of organophosphorus poisoning. **06**
