

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. – SEMESTER VI • EXAMINATION – WINTER -2021

Subject Code: BP602TP**Date: 25/11/2021****Subject Name: PHARMACOLOGY III****Time: 02:30pm to 05:30pm****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) Discuss Mechanism of action, Therapeutic uses and Adverse effects of Proton Pump Inhibitors **06**
- (b) Discuss the role of Oral Rehydration Therapy (ORT) in the treatment of Diarrhoea **05**
- (c) What is Cotrimoxazole? Why Cotrimoxazole is preferred over Sulfonamide alone in bacterial infections? **05**
- Q.2** (a) What is Expectorant? Write a note on Expectorant **06**
- (b) Discuss Common properties of Aminoglycoside antibiotic. **05**
- (c) Classify Antiviral agents, Write mechanism of action and Adverse effects of Acyclovir **05**
- Q.3** (a) Classify Antiasthmatic Drugs. Discuss Pharmacology of Leukotriene Antagonists **06**
- (b) Write a note on Pharmacology of Artemisinin derivatives used in the treatment of Malaria. **05**
- (c) Discuss general principles of Chemotherapy of Cancer **05**
- Q.4** (a) Classify Antifungal agents. Describe mechanism of action and adverse effects of Ketoconazole **06**
- (b) Write mechanism of action and Therapeutic Uses of following Drugs **05**
- (i) Sodium Cromoglycate (ii) Theophylline
- (c) Classify the drugs used in the treatment of UTI and Discuss adverse effects of Ciprofloxacin **05**
- Q.5** (a) Write mechanism of actions of following drugs **06**
- (i) Ofloxacin (ii) Azithromycin (iii) Doxycycline
- (b) What is Drug Resistance? Suggest measures for prevention of Drug Resistance **05**
- (c) Write a note on Immunosuppressant **05**
- Q.6** (a) Explain following terms **06**
- (i) Teratogenicity (ii) Carcinogenicity (iii) Gray baby Syndrome
- (b) Describe Clinical symptoms and management of Organophosphorus poisoning **05**
- (c) Write mechanism of action, therapeutic uses and adverse effects of Metronidazole **05**
- Q.7** (a) Explain role of biological clock in chronotherapy **06**
- (b) How barbiturate poisoning can be managed? **05**
- (c) Write a note on Antiemetic agents. **05**