

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM - SEMESTER- 6 EXAMINATION – SUMMER -2020**

Subject Code:BP602TP

Date: 27-10-2020

Subject Name: PHARMACOLOGY III

Time: 10:30 AM TO 1:30 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) Write mechanism of action, side effects of 1) Nelfinavir 2) Isoniazid 3) Tamoxifen. **06**
- (b) What is HAART? Write a note on drugs used in treatment of HIV infection. **05**
- (c) Classify antifungal agents & write a note on azoles as antifungal agent. **05**
- Q.2** (a) Classify third generation Cephalosporin's & write its MOA and therapeutic actions. **06**
- (b) What is drug resistance? Write different mechanisms of transfer of resistance genes within and among bacteria. **05**
- (c) Explain the following terms : i) Acute toxicity ii) Superinfection iii) Jarish Herxheimer reaction iv) Cross resistance v) Kernicterus **05**
- Q.3** (a) Classify types of Leprosy. Write detail pharmacology of Dapsone. **06**
- (b) Explain in brief tissue schizontocidal agents. **05**
- (c) Explain in detail MDR-TB and write a note on DOTS. **05**
- Q.4** (a) Classify Laxatives. Explain Osmotic purgatives. **06**
- (b) Write MOA of following drugs: i) Metoclopramide ii) Mesalazine iii) Etofamide iv) Foscarnet v) Doxorubicin **05**
- (c) Write a note on anthelmintics. **05**
- Q.5** (a) Write a note immunostimulants. **06**
- (b) Discuss the role of antimetabolites in treatment of cancer. **05**
- (c) Discuss treatment and management of diarrhea with emphasis on ORT. **05**
- Q. 6** (a) Write in detail the drugs used in treatment of Syphilis and Gonorrhea. **06**
- (b) Classify the drugs used in treatment of UTI. Write a note on Quinolones. **05**
- (c) Explain in brief the mechanism of biological agents as immunosuppressants. **05**
- Q.7** (a) Explain the use of Leukotriene antagonists in treatment of asthma. **06**
- (b) Define cough. Differentiate between Expectorants and Antitussive agents **05**
- (c) Explain the role of chronology in occurrence of various diseases. **05**

\*\*\*\*\*