

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.

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| 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 |
