

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM - SEMESTER- 6 EXAMINATION – SUMMER-2024**

**Subject Code:BP602TP****Date: 02/05/2024****Subject Name: Pharmacology III****Time: 10.30 a.m. to 1.30 p.m.****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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|------------|--|-----------|
| <b>Q.1</b> | (a) Classify antifungal agents. Write a note on azole group of antifungals.  | <b>06</b> |
|            | (b) Write in detail about pharmacology of Aminoglycosides.                   | <b>05</b> |
|            | (c) Describe Expectorants in detail.   | <b>05</b> |
| <b>Q.2</b> | (a) Classify antiemetics. Explain mechanisms of Prokinetic drugs.            | <b>06</b> |
|            | (b) Describe clinical symptoms and management of Organophosphorus poisoning. | <b>05</b> |
|            | (c) Classify Purgatives. Write a note on Bulk purgatives.                    | <b>05</b> |
| <b>Q.3</b> | (a) Classify Anti-asthmatics and discuss about bronchodilators.              | <b>06</b> |
|            | (b) Write a note on Proton Pump Inhibitors.                                  | <b>05</b> |
|            | (c) Describe Immunosuppressants.   | <b>05</b> |
| <b>Q.4</b> | (a) Explain mechanism of action of (i) Penicillin (ii) Fluoroquinolones      | <b>06</b> |
|            | (b) Explain various Biochemical mechanisms of resistance to antibiotics.     | <b>05</b> |
|            | (c) Classify antituberculosis agents and write a note on DOTS therapy.       | <b>05</b> |
| <b>Q.5</b> | (a) Explain life cycle of HIV virus and write a note on Zidovudine.          | <b>06</b> |
|            | (b) Describe role of biological clock in chronotherapy.                      | <b>05</b> |
|            | (c) Explain adverse effects of (i) Chloramphenicol (ii) Sulfonamides         | <b>05</b> |
| <b>Q.6</b> | (a) Write down pathophysiology & management of COPD.                         | <b>06</b> |
|            | (b) Describe Anthelmintics.  | <b>05</b> |
|            | (c) Write in detail about drugs used in Syphilis & Gonorrhoea.               | <b>05</b> |
| <b>Q.7</b> | (a) Explain the following terms  | <b>06</b> |
|            | (i) Carcinogenicity (ii) Teratogenicity (iii) Genotoxicity                   |           |
|            | (b) Discuss the role of antimetabolites in Cancer.                           | <b>05</b> |
|            | (c) Explain mechanism, therapeutic uses and side effects of Tetracyclines.   | <b>05</b> |