

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm. – SEMESTER 6 • EXAMINATION – WINTER -2022

Subject Code: BP602TP**Date:27/12/2022****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.**

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|-------------|-----|---|-----------|
| Q.1 | (a) | Classify Anti-asthmatic drugs.Discuss pharmacology of Sodium cromoglycate | 06 |
| | (b) | Write a detailed note on Immunosuppressant. | 05 |
| | (c) | Give mechanism of action of following drugs | 05 |
| | | 1. Isoniazid 2. Amphotericin B | |
| Q.2 | (a) | Explain Drug resistance in detail. Discuss approaches to prevent drug resistance | 06 |
| | (b) | Describe pharmacology of Dapsone. | 05 |
| | (c) | Classify Antiemetics. Write pharmacology of ondansetron. | 05 |
| Q.3 | (a) | Classify Antimalarial drugs.Write pharmacology of Chloroquine | 06 |
| | (b) | Write a note on Expectorant | 05 |
| | (c) | Give Reason: Cotrimoxazole is preferred over sulfonamide alone. | 05 |
| Q.4 | (a) | Describe Pharmacology of Proton Pump Inhibitor | 06 |
| | (b) | Discuss Common properties of Aminoglycosides | 05 |
| | (c) | Discuss mechanism of action and adverse effects of Alkylating agents. | 05 |
| Q.5 | (a) | Discuss mechanism of action, adverse effects and therapeutic uses of Fluoroquinolones | 06 |
| | (b) | Classify Purgative. Write a note on Bulk Purgative | 05 |
| | (c) | Discuss acute toxicity. | 05 |
| Q. 6 | (a) | Classify Cephalosporin. Discuss mechanism of action & therapeutic uses of Cefixime | 06 |
| | (b) | Explain following terms | 05 |
| | | 1. Teratogenicity 2. Mutagenicity | |
| | (c) | Discuss signs and symptoms & management of Organophosphorus poisoning | 05 |
| Q.7 | (a) | Classify Antiretroviral Drugs. Write a note on Nucleoside Reverse Transcriptase inhibitor (NRTI). | 06 |
| | (b) | Explain biological clock with its significance. | 05 |
| | (c) | Discuss adverse effects of following drugs | 05 |
| | | 1. Ketoconazole 2.Rifampicin | |
