

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 | |
