

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm. - SEMESTER-VI • EXAMINATION – WINTER -2020

Subject Code: BP602TP**Date: 05/01/2021****Subject Name: PHARMACOLOGY III****Time: 02:00PM TO 04:00PM****Total Marks: 54****Instructions:**

1. Attempt any **THREE** questions from Q-1 to Q-6.
2. **Q.7** is compulsory to attempt.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

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|-------------|---|-----------|
| Q.1 | (a) Classify anti asthmatic drugs. Describe role of sympathomimetics in the treatment of asthma. | 06 |
| | (b) Explain drug therapy for diarrhea. | 05 |
| | (c) Write a note on antitussives. | 05 |
| Q.2 | (a) Classify semi synthetic penicillins. Write antibacterial spectrum and therapeutic uses of amoxicillin. | 06 |
| | (b) Write a note on proton pump inhibitors. | 05 |
| | (c) Write in detail about systemic antifungal agents. | 05 |
| Q.3 | (a) Classify anticancer agents. Discuss anti metabolites in detail. | 06 |
| | (b) Describe the characteristics and mechanism of action of aminoglycosides. | 05 |
| | (c) Describe mechanism of action and adverse effects of chloramphenicol. | 05 |
| Q.4 | (a) Classify immunosuppressants. Describe pharmacology of ciclosporin. | 06 |
| | (b) Write a note on anthelmintics. | 05 |
| | (c) Define following term: 1) Teratogenicity 2) Chronobiology 3) Sub acute toxicity 4) Antibiotics 5) Drug resistance | 05 |
| Q.5 | (a) What is DOTS? Discuss the management of tuberculosis with special emphasis on Isoniazid. | 06 |
| | (b) Classify anti-malarial drugs. Write adverse effects of chloroquine. | 05 |
| | (c) Write a note on sexually transmitted diseases. | 05 |
| Q. 6 | (a) Classify antiviral drugs. Describe pharmacology of acyclovir. | 06 |
| | (b) Discuss signs-symptoms and complications of various urinary tract infections. | 05 |
| | (c) Write mechanism of action and therapeutic uses of fluoroquinolones. | 05 |
| Q.7 | (a) Classify sulphonamides and explain its mechanism of action and adverse effects. | 06 |
| | OR | |
| | (a) Classify antiemetic drugs. Explain prokinetic drugs. | 06 |
| | OR | |
| | (a) Discuss symptoms and management of organophosphorus poisoning. | 06 |
