

**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.

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

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