

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.Pharm.– SEMESTER–VI - EXAMINATION – SUMMER-2021**

**Subject Code: BP602TP****Date: 04/08/2021****Subject Name: Pharmacology-III****Time: 02:30 PM To 05:30 PM****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) | Explain the role of biological clocks in cancer processes and chronotherapy in detail.         | <b>06</b> |
|            | (b) | Define Immunomodulator. Discuss in detail about cyclosporine.                                  | <b>05</b> |
|            | (c) | Write a note on antifungals.   | <b>05</b> |
| <b>Q.2</b> | (a) | What is DOTS? Explain the clinical signs, symptoms and diagnostic tests of Tuberculosis.       | <b>06</b> |
|            | (b) | Explain in detail the pharmacology of Ciprofloxacin.   | <b>05</b> |
|            | (c) | Write a note on macrolides.  | <b>05</b> |
| <b>Q.3</b> | (a) | Describe the terms (with examples): Biosimilars, Monoclonal antibodies and Chronopharmacology. | <b>06</b> |
|            | (b) | Outline the complete life cycle of Malarial parasite. Discuss the use of “Co-artemether”.      | <b>05</b> |
|            | (c) | Classify antiemetic drugs. Discuss mechanism of prokinetic drugs.                              | <b>05</b> |
| <b>Q.4</b> | (a) | Write about etiology, pathophysiology and treatment of COPD.                                   | <b>06</b> |
|            | (b) | Write in detail about the drugs used in treatment of Syphilis and Gonorrhoea.                  | <b>05</b> |
|            | (c) | Write a note on anthelmintics.   | <b>05</b> |
| <b>Q.5</b> | (a) | Explain the clinical symptoms and management of barbiturates and morphine poisoning.           | <b>06</b> |
|            | (b) | What is HAART? Write a note on drugs used in treatment of HIV infection.                       | <b>05</b> |
|            | (c) | Classify laxatives and purgatives. Add a note on irritant laxatives with example.              | <b>05</b> |
| <b>Q.6</b> | (a) | Classify anticancer drugs highlighting their mechanism of action.                              | <b>06</b> |
|            | (b) | Describe pathophysiology and treatment of bronchial asthma.                                    | <b>05</b> |
|            | (c) | Write a note on antitussive agents.  | <b>05</b> |
| <b>Q.7</b> | (a) | Classify types of Leprosy. Write detail pharmacology of Dapsone.                               | <b>06</b> |
|            | (b) | Discuss the management of UTI.   | <b>05</b> |
|            | (c) | Write a brief note on Digestants and carminatives.   | <b>05</b> |

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