

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER-5 EXAMINATION – WINTER -2023

Subject Code: BP501TT**Date: 02/12/2023****Subject Name: Medicinal Chemistry II****Time: 10.30 a.m. to 1.30 p.m.****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 Diuretic agents in detail with brief mechanism of action of each class. | 06 |
| | (b) Write in detail about drugs used in Congestive Heart Failure | 05 |
| | (c) Give details of Drugs used in Hyperthyroidism. | 05 |
| Q.2 | (a) What are Local Anesthetic agents? Write SAR of Local Anesthetics. | 06 |
| | (b) Write in detail about Contraceptives. | 05 |
| | (c) Describe about Antimetabolites and Plant products for Cancer treatment. | 05 |
| Q.3 | (a) Write in detail about chemistry of Histamine. Give details of different receptors of Histamine | 06 |
| | (b) Explain about Nomenclature and stereochemistry of steroids. | 05 |
| | (c) Give detail account on various corticosteroids. | 05 |
| Q.4 | (a) Define antihypertensive agents with its classification in detail. | 06 |
| | (b) Describe about Antibiotics anticancer with mode of action. | 05 |
| | (c) Give synthesis (1) Benzocaine (2) Warfarine | 05 |
| Q.5 | (a) Classify Anti histaminic agents in detail with structure. | 06 |
| | (b) Describe about Coagulants in detail. | 05 |
| | (c) Write in detail about anticoagulant agents. | 05 |
| Q. 6 | (a) What are Antiarrhythmic agents? Classify them in detail. | 06 |
| | (b) Give detail accounts of Antianginal agents. | 05 |
| | (c) Write in detail about Antisecretory agents. | 05 |
| Q.7 | (a) Classify Antidiabetic agents in detail. | 06 |
| | (b) Give synthesis of (1) Mechlorethamine (2) Acetazolamide | 05 |
| | (c) Write a note on H ₂ -receptor antagonist. | 05 |
