

|  |   |                      |     |       |
|--|---|----------------------|-----|-------|
| Name. _____  |   | Printed Pages:01     |     |       |
| Student Admn. No.: _____   |   |                      |     |       |
| <b>School of Medical and Allied Sciences</b><br><b>Back paper Examination – July - August 2024</b><br><b>[Programme: B.Pharm] [Semester: V] [Batch: All]</b> |   |                      |     |       |
| Course Title: Medicinal Chemistry-II   |   | Max Marks: 100       |     |       |
| Course Code: BPHT5001  |   | Time: 3 Hrs.         |     |       |
| <b>Instructions:</b>   | 1. All questions are compulsory.<br>2. Assume missing data suitably, if any.            |                      |     |       |
|  |   | K<br>Level           | COs | Marks |
| <b>SECTION-A (15 Marks)</b>  |   | <b>5 Marks each</b>  |     |       |
| <b>1.</b>  | Explain the types of angina and its symptom's.  | K2                   | CO1 | 5     |
| <b>2.</b>  | Outline the mechanism of action of Enalapril.   | K2                   | CO2 | 5     |
| <b>3.</b>  | Explain the calcium channel blockers.   | K2                   | CO2 | 5     |
| <b>SECTION-B (40 Marks)</b>  |   | <b>10 Marks each</b> |     |       |
| <b>4.</b>  | Explain the synthesis, MOA and uses of Furosemide.                                      | K2                   | CO1 | 10    |
| <b>5.</b>  | Construct the mechanism action of sex hormones with suitable example like testosterone. | K3                   | CO2 | 10    |
| <b>6.</b>  | Analyze the mechanism of action of antimetabolites in cancer therapy.                   | K4                   | CO3 | 10    |
| <b>7.</b>  | Develop advancement in biomarker for cardiovascular diseases.                           | K3                   | CO6 | 10    |
| <b>SECTION-C (45 Marks)</b>  |   | <b>15 Marks each</b> |     |       |
| <b>8.</b>  | Analyze the role of Protons Pump Inhibitors and the synthesis of omeprazole             | K4                   | CO3 | 15    |
| <b>9.</b>  | Choose the clasification of the steroids hormonas and their mechanism of action.        | K5                   | CO4 | 15    |
| <b>10</b>  | Conclude the chemical synthesis of diltiazame and mode of action.                       | K5                   | CO5 | 15    |