

QP CODE: 305326

Reg. No:

**Third Year Pharm D Degree Special Supplementary Examinations
August 2024**

Medicinal Chemistry

Time: 3 Hours

Total Marks: 70

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw Diagrams wherever necessary.*

Essays

(3x10=30)

1. Describe various Anti-infective agents. Write the chemistry and Mechanism of action and synthesis of any two antitubercular drugs.
2. Define and classify antineoplastic agents. Write the chemistry, mechanism of actions and synthesis of Purine analogues.
3. What are various Diagnostic agents. Give the mechanism of action and synthesis of one drug each for Gall bladder function and Ophthalmic.

Short notes

(8x5=40)

4. Synthesis of any two Antiarrhythmic agents.
5. Explain Sulphones.
6. Write the importance of QSAR and CADD in drug design.
7. Explain Adrenocorticoids.
8. Define and classify Diuretics with suitable examples.
9. Write a note on chemistry and mechanism of actions of Macrolide antibiotics.
10. Define and classify Hypoglycemic agents. Add a note on the chemistry of Thiazolidinediones.
11. Thyroid agents.
