

QP CODE: 305326

Reg. No:

**Third Year Pharm D Degree Regular/Supplementary Examinations
November 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. Write a detailed note on various modern concepts of rational drug design.
2. Define Antibiotics and classify Antibiotics based on chemical structure. Add a note on Chemistry of Penicillin.
3. Define and classify Antimalarials. Write a note on SAR of Antimalarials.

Short notes

(8x5=40)

4. Outline the chemistry of Tetracycline.
5. Alkylating agents.
6. Write the synthetic route and mechanism of action of Nitroglycerin.
7. Classify oral hypoglycemic agents. Give the synthetic route for any one Sulphonyl urea.
8. Classify Sulphonamides based on duration of action. Outline the synthesis of any one sulphonamide.
9. Write a note on chemistry and mechanism of actions of Thiazide diuretics.
10. Write on structure and nomenclature of Steroids.
11. Diagnostic agents.
