

QP CODE: 305326

Reg. No:

**Third Year Pharm D Degree Regular/Supplementary Examinations
December 2021**

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. What are antibiotics. Discuss the SAR and mechanism of action of cephalosporins and tetracyclines.
2. Give synthesis, mechanism of action and uses of • Chloroquine • Propranolol
3. What are anticancer drugs and classify them with examples. Write the mechanism of action and synthesis of cyclophosphamide.

Short notes

(8x5=40)

4. Give an account of diagnostic agents.
5. Classify anti-hyperlipidemic agents. Give the synthesis of clofibrate.
6. Steroidal hormones
7. Classify diuretics with examples. Write the SAR of thiazide diuretics.
8. Discuss briefly about antianginal agents.
9. Outline the synthesis of • Chlorambucil • Furosemide.
10. Give the synthesis of • Metronidazole • Tolnaftate.
11. Combination therapy of Trimethoprim and sulphamethoxazole
