

QP Code: 621006

Reg. No.....

**Sixth Semester B. Pharm Degree Supplementary Examinations
March 2026**

Medicinal Chemistry III

(2017 Scheme)

Time: 3 Hours

Max. Marks: 75

- *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

(2x10=20)

1. Classify Antimalarial drugs with their structure and add on etiology of malaria.
2. Classify Sulfonamides with their chemical structure and add a note on SAR of Sulfonamides.

Short Notes

(7x5=35)

3. Enlist the applications of Combinatorial Chemistry.
4. Classify Antifungal drugs and write the mechanism of action of Nystatin.
5. Write the synthesis and uses of Dapsone.
6. Explain the SAR of quinolones.
7. Write the chemical degradation of Penicillin.
8. Write a note on Macrolide antibiotics.
9. Explain any two QSAR parameters.

Answer Briefly

(10x2=20)

10. Explain the pharmacophore modeling.
11. Structure and uses of nitrofurantoin.
12. Enlist antitubercular antibiotics.
13. Give the structure and uses of Acyclovir.
14. Write the uses of Metronidazole and Ivermectin.
15. Name any two tetracyclines with uses.
16. Any two applications of prodrug design with examples.
17. Outline the synthesis of Chloroquine.
18. Outline the synthesis of para amino salicylic acid.
19. Name any one Folate reductase inhibitors with uses.
