

QP Code: 621006

Reg. No.....

**Sixth Semester B. Pharm Degree Regular/Supplementary Examinations
July 2023
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 antibiotics based on their chemical nature with examples from each class.
2. Classify sulfonamides and explain the SAR.

Short Notes

(7x5=35)

3. Explain the concept of prodrug design.
4. Discuss the SAR of Penicillins.
5. Classify antimalarial drugs with examples.
6. Outline the synthesis and uses of miconazole and acyclovir.
7. Write a note on anthelmintics with examples.
8. Outline the synthesis and uses of Isoniazid and pamaquine.
9. Discuss the applications of QSAR.

Answer Briefly

(10x2=20)

10. Write the structure and uses of Pyrazinamide.
11. Discuss the chemistry and uses of monobactams.
12. Give the structure and uses of Amantidine hydrochloride.
13. Outline the synthesis of p-amino salicylic acid.
14. Write the structure of any two synthetic antifungal drugs.
15. Discuss the significance of docking techniques.
16. Outline the synthesis of ciprofloxacin.
17. Write the structure and uses of albendazole.
18. Discuss the mechanism of action of cotrimoxazole.
19. Enlist the first-line antitubercular drugs.
