

QP Code: 521006

Reg. No.....

**Fifth Semester B. Pharm Degree Supplementary Examinations
November 2024
Medicinal Chemistry II
(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. Define and classify anti-histaminic agents with examples. Write the synthesis and mechanism of action of any one H₁ antagonist.
2. Define and classify anti-coagulants with examples. Write the synthesis and mechanism of action of any one anti-coagulant.

Short Notes

(7x5=35)

3. Describe about histamine receptors and their distribution in human body.
4. Write the chemistry and synthesis of meclizine.
5. Write briefly on plant products used as anti-neoplastic agents.
6. Classify calcium channel blockers. Write the structure and uses of verapamil.
7. Write briefly on osmotic diuretics.
8. Outline the metabolism of steroids.
9. Mechanism of action and uses of sildenafil and cortisone

Answer Briefly

(10x2=20)

10. Structure and uses of promethazine hydrochloride.
11. Outline the synthesis of mercaptopurine.
12. Mechanism of action of amyl nitrite and amlodipine
13. Write the structure of methazolamide and hydrochlorothiazide
14. Mechanism of action and uses of spironolactone
15. Write the structure and uses of lidocaine and menadione.
16. Outline the synthesis of disopyramide phosphate.
17. Mechanism of action and uses of repaglinide.
18. Therapeutic uses of glipizide and dibucaine.
19. Structure and uses of Nandrolone.
