

QP Code: 521006

Reg. No.....

**Fifth Semester B. Pharm Degree Regular/Supplementary
Examinations May 2026
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. a) Define anticancer agents
b) Classify them with suitable examples and structures
2. Write the synthesis and uses of the following
a) Furosemide b) Cimetidine c) Methotrexate

Short Notes

(7x5=35)

3. Write the mechanism of action and synthesis of Acetazolamide
4. Write the chemical structure and mechanism of action of Chlorambucil
5. Explain the different types of calcium channel blockers
6. Write short notes on Insulin and its preparations
7. Give the classification of antiarrhythmic drugs
8. Write the chemistry of cardiac glycosides
9. Discuss the stereochemistry of steroids

Answer Briefly

(10x2=20)

10. Write the chemical structure and uses of Chlorpheniramine
11. Write the mechanism of action of gastric proton pump inhibitors
12. What are local anaesthetics. Give examples
13. Write the structure and uses of Verapamil
14. Classify diuretics based on electrolyte excretion
15. Give the structure of catecholamines depletors
16. Write the structure and uses of Minoxidil
17. Classify lipoproteins
18. Write the chemical structure of natural anticoagulants
19. Give the structure and uses of Dexamethasone

CORRECTION / NO-CORRECTION FILE
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QPCODE: 521006

Dated: 04-05-2026

Question No. 17

Replaced with "Give the structure and use of Lovastatin."

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS