

QP CODE: 211328

Reg. No:.....

**Second Semester M. Pharm Degree Regular/Supplementary Examinations
November 2025
M.Pharm (Pharmacology)**

**Paper I: Advanced Pharmacology II (MPL201T)
(Common for 2019 and 2024 Scheme)**

Time: 3 Hours

Total 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 table/diagrams/flow charts wherever necessary.*

Essays

(3x10=30)

1. Discuss the role of thyroid hormones in regulating basal metabolic rate and their mechanism of action at the cellular level. Discuss role of Vit-D in calcium homeostasis.
2. Classify beta lactam antibiotics. Explain the Mechanisms of action, adverse effects and therapeutic uses of Penicillins. Write a note on chemotherapy of Tuberculosis.
3. Explain the recent advances in the treatment Cancer and Alzheimer's disease. Write a note of chronopharmacology.

Short Notes

(9x5=45)

4. Classify oral contraceptives. Explain their mechanisms of action and non-contraceptive benefits.
5. Explain the chemotherapy of amoebiasis and giardiasis.
6. Explain the pharmacology of glucocorticoids.
7. Explain the mechanisms of action and adverse effects of 5-Fluorouracil and Doxorubicin.
8. Explain the pharmacotherapy of COPD.
9. Write a note on antioxidants
10. Classify antifungal and antiviral drugs.
11. Define antacids. Compare and contrast systemic and non-systemic antacids.
12. Classify antiemetics. Write their mechanisms of action and adverse effects.
