

QP CODE: 211328

Reg. No:.....

**Second Semester M. Pharm Degree Supplementary Examinations
February 2026
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. Describe the molecular mechanisms of action of thyroid hormones. Discuss antithyroid drugs with their therapeutic uses and adverse effects.
2. Classify antiviral drugs. Discuss the mechanisms of action and adverse effects of nucleoside reverse transcriptase inhibitors and protease inhibitors.
3. Explain the generation of free radicals and their role in the etiopathogenesis of cancer. Discuss the protective role of antioxidants.

Short Notes

(9x5=45)

4. Drugs affecting calcium regulation
5. Mechanism of resistance to antimicrobial agents
6. Drugs used in the treatment of helminthiasis
7. Classification and mechanism of action of Prokinetic agents
8. Classification, mechanism of action and therapeutic uses of Immunosuppressants
9. Pharmacotherapy of COPD
10. Role of chronotherapy in cardiovascular diseases
11. Classification and adverse effects of Antidiarrheal drugs
12. Recent advances in the treatment of Alzheimer's disease
