

QP CODE: 211328

Reg. No:.....

**Second Semester M. Pharm Degree Regular/Supplementary Examinations
November 2024
M.Pharm (Pharmacology)**

**Paper I: Advanced Pharmacology II (MPL201T)
(Common for 2017 and 2019 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. Outline the mechanism of action of insulin in regulating blood glucose levels and its effects on carbohydrate, fat, and protein metabolism. Describe the role of calcitonin and vitamin D in calcium regulation.
2. Discuss the mechanisms of action, adverse effects and therapeutic uses of Aminoglycoside and Macrolide antibiotics. Explain the importance of combination therapy in the treatment of Tuberculosis.
3. Classify anticancer drugs and write their mechanisms of action. Enlist the general adverse effects associated with cytotoxic anticancer agents and discuss the reasons for the same.

Short Notes

(9x5=45)

4. What are antacids. Compare and contrast systemic and non-systemic antacids.
5. Explain the pharmacotherapy of asthma.
6. Explain the recent advances in the treatment of Alzheimer's disease.
7. Explain the mechanisms of action of sex hormones.
8. Write a note on prokinetics.
9. Explain the applications of chronotherapy in management asthma and peptic ulcers.
10. Explain the recent advances in the treatment of Diabetes Mellitus.
11. Classify laxatives. Explain their mechanisms of action and adverse effects
12. Classify antimalarial drugs. Write their mechanisms of action and adverse effects
