

**Second Semester M. Pharm Degree Supplementary Examinations  
February 2025  
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. Explain the anti-inflammatory and immunosuppressive actions of corticosteroids and their therapeutic uses. Describe the mechanism of action of oral contraceptives and discuss their non-contraceptive health benefits.
2. Classify antiviral drugs. Discuss the mechanisms of actions and adverse effects of nucleoside analogs, protease inhibitors, and neuraminidase inhibitors. Write a note on quinolones class of antimicrobial agents.
3. Classify antiulcer drugs and explain their mechanisms of actions. What are the advantages of combination antacid therapy. Write a note on circadian rhythms.

**Short Notes**

**(9x5=45)**

4. Explain the pharmacotherapy of asthma
5. Classify antimalarial drugs. Write their mechanisms of action and adverse effects
6. Classify anti-TB drugs. Write a note on DOT therapy
7. Classify laxatives. Explain their mechanisms of action and adverse effects
8. Classify antifungal drugs and explain the mechanism of action and adverse effects of Imidazole class of antifungal agents.
9. Explain the recent advances in the treatment of Parkinson's disease
10. Classify immunosuppressants and explain their mechanisms of action, adverse effects and therapeutic uses.
11. Classify antihelminthic drugs and explain their mechanisms of actions and adverse effects.
12. Explain the role of free radicals in the etiopathology of diabetes.