

QP CODE: 211328

Reg. No:.....

**Second Semester M. Pharm Degree Supplementary Examinations
December 2023
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. Classify oral contraceptives. Explain their mechanisms of action, adverse effects, and non-contraceptive health benefits
2. Classify antiviral agents. Explain their mechanisms of action, adverse effects, and therapeutic applications
3. Explain the role of free radicals in the etiopathology of cancer and diabetes mellitus

Short Notes

(9x5=45)

4. Classify immunosuppressants. Explain the mechanism and adverse effects of calcineurin inhibitors
5. Explain the advantage of combining probenecid and clavulanic acid with penicillins
6. Classify quinolones. Write their mechanism of action, adverse effects, and antibacterial spectrum
7. Classify anti-emetics. Write their mechanism of action, adverse effects, and therapeutic uses
8. Aminoglycoside antibiotics
9. Define a circadian rhythm. Explain how biological processes are related to circadian rhythm
10. Explain the pathophysiology and pharmacotherapy of Alzheimer's disease
11. Classify antithyroid drugs. Explain their mechanisms of action, adverse effects, and therapeutic uses
12. Glucocorticoids and mineralocorticoids
