

**Second Semester M. Pharm Degree Supplementary Examinations
August 2021
M.Pharm (Pharmacology)**

Paper I: Advanced Pharmacology II (MPL201T)

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 hypoglycemic agents. Explain their mechanisms of action, adverse effects, and therapeutic applications
2. Classify antifungal agents. Explain their mechanisms of action, adverse effects, and therapeutic applications
3. Explain how free radicals are generated and describe how they cause damage to cellular components. Write a note on endogenous antioxidants

Short Notes (9x5=45)

4. Define chronopharmacology. Explain how chronopharmacological knowledge help in improving drug therapy
5. Explain the pharmacotherapy of asthma
6. Classify anti-TB drugs. Write a note on DOTS
7. Explain the mechanism of actions of Insulin
8. Write a note on macrolide antibiotics
9. What are antacids. Compare and contrast systemic and non-systemic antacids
10. Explain the recent advances in the treatment of Parkinson's disease
11. Classify laxatives. Explain their mechanisms of action and adverse effects
12. Classify antimalarial drugs. Write their mechanisms of action and adverse effects
