

**First Semester M.Pharm Degree Regular/Supplementary Examinations
April 2025
M.Pharm (Pharmacology)**

Paper II – Advanced Pharmacology I (MPL 102T)

(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. Classify Anti-arrhythmic drugs. Explain the actions of Class 1A drugs.
2. List out various neurotransmitters and receptors involved in signal transduction with special reference to central nervous system.
3. Describe the factors affecting drug absorption.

Short Notes

(9x5=45)

4. Describe the Mechanism of Non-Steroidal Anti-inflammatory Drugs.
5. Classify Cholinergic agents and discuss the drugs used in the treatment of Myasthenia gravis.
6. Physiological and Pathological role of Serotonin.
7. Explain the pharmacology of Phenytoin.
8. Quantification of drug receptor interaction and elicited effects.
9. List out various Neurodegenerative Diseases. Mention the symptoms and treatment for anyone neurodegenerative disease.
10. Oral anti-coagulants.
11. Adrenergic neurohumoral transmission.
12. Loop and Thiazide diuretics.
