

QP CODE: 112328

Reg. No:.....

**First Semester M.Pharm Degree Supplementary Examinations
February 2022
M.Pharm (Pharmacology)**

**Paper II – Advanced Pharmacology I (MPL 102T)
(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 phase I and II reactions of biotransformation of drug along with factors influencing the same
2. Define and classify anti histamines with examples. Explain the mechanism of action, pharmacological actions and clinical uses of H₁ receptor blockers
3. Explain in detail the neuro humoral transmission in autonomic nervous system

Short Notes

(9x5=45)

4. Distinguish sedatives and hypnotics. Classify anxiolytics with examples
5. Explain congestive heart failure. Explain the pharmacology of digitalis
6. Explain the concepts of linear compartment models
7. Explain the triple response of histamine and mention its diagnostic uses
8. Enlist the neurotransmitters of Central Nervous System (CNS) and explain neuro humoral transmission in CNS
9. Distinguish anticoagulants and fibrinolytics and add a note on hematinics
10. Differentiate local and general anesthetics. Add a note on pre anesthetic medication
11. What are diuretics. Explain the mechanism of action, adverse effects and clinical uses of carbonic anhydrase inhibitors
12. Define and classify mood elevators with examples. Explain the mechanism of action and therapeutic uses of Monoamine Oxidase Inhibitors (MAOI).
