

QP CODE: 211328

Reg. No:.....

**Second Semester M. Pharm Degree Regular/Supplementary Examinations
October 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. Illustrate the pathophysiology of asthma. Discuss about leukotriene inhibitors
2. Elaborate on various biochemical mediators of inflammation. Describe the mechanism of action of cox-2 inhibitors
3. List various free radicals generated in biological system. Explain how they are generated and their physiological and pathological roles in the body

Short Notes

(9x5=45)

4. Explain the pharmacology of proton pump inhibitors
5. Describe the applications of chronotherapy in various diseases
6. Outline the various mechanisms of developing anti-microbial resistance
7. Explain about the synthesis and storage of thyroid hormones and classify anti thyroid drugs
8. Illustrate the mechanism of action of acyclovir
9. Classify oral hypoglycemic drugs and describe the mechanism of action of metformin
10. Outline about DOTS in anti-tuberculosis therapy
11. Discuss the mechanism of action of fluoroquinolones
12. Recent advances in treatment of neurodegenerative diseases
