

QP CODE: 211328

Reg. No:.....

**Second Semester M. Pharm Degree Supplementary Examinations
January 2020**

M.Pharm (Pharmacology)

Paper I: Advanced Pharmacology II (MPL201T)

(2017 Scheme)

Time: 3 Hours

Total Marks: 75

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Discuss the molecular mechanism of the synthesis and secretion of insulin and explain the metabolic actions in human body.
2. Elaborate on endogenous antioxidants and explain the treatment in Parkinson's diseases.
3. Classify immunosuppressant drugs. Explain the molecular mechanism and pharmacological actions of cyclosporine

Short Notes

(9x5=45)

4. Explain the cellular mechanism of folic acid antagonist in cancer treatment.
5. Describe the pharmacological actions of combined oral contraceptive pills.
6. Discuss the biochemical mediators for allergic reaction and add the pharmacology of olopatadine.
7. Discuss the physiological actions of para thyroid hormone
8. The molecular mechanism and pharmacological actions of acyclovir.
9. Discuss the mechanism involved in the gastric acid secretion in parietal cells and explain the pharmacological action of omeprazole.
10. List anti-asthmatic drugs and explain importance of chronotherapy in asthma
11. Penicillin resistance and beta lactamase inhibitors
12. Discuss the mechanism and pharmacological actions of alpha-glucosidase inhibitors
