



**Advanced Pharmacology -II**

**Q.P. CODE: 5177**

Your answers should be specific to the questions asked.  
Draw neat, labeled diagrams wherever necessary.

**LONG ESSAY (Answer any Three)**

**3 X 10 = 30 Marks**

1. Classify oral antidiabetic drugs. Discuss the mode of action, pharmacological actions of glipizide and metformin.
2. Classify antivirals and write the pharmacology of acyclovir and zidovudine.
3. Classify immunosuppressants and describe the pharmacology, adverse drug reactions and uses of tacrolimus.
4. Discuss the role of chronopharmacology in various diseases and disorders with examples.

**SHORT ESSAY (Answer any Nine)**

**9 X 5 = 45 Marks**

5. Write a note on oral contraceptives.
6. Classify semi synthetic penicillins with examples.
7. Discuss the DOTS therapy in tuberculosis.
8. Explain the pharmacology of Amphotericin B.
9. Describe the pharmacology of any one proton pump inhibitor.
10. What are free radicals and antioxidants? Discuss the role of antioxidants in free radical scavenging activity.
11. Discuss the recent advances in the treatment of Parkinson's disease.
12. Classify antimalarial agents.
13. Discuss the functions of corticosteroids.
14. Discuss the mechanisms of antimicrobial resistance.

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