

[Time: 3 Hours]

[Max. Marks: 75]

Advanced Pharmacology - I**Q.P. CODE: 5134**

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. Define and classify anti-parkinsonian drugs with examples. Write the pharmacology of MAO-B inhibitor.
2. What are the factors affecting the absorption and distribution drugs. Add a note on significance of plasma protein binding.
3. Classify drugs used in ischemic heart diseases with examples. Explain the pharmacology of nitroglycerine.
4. Define and classify adrenergic drugs with examples. Explain the pharmacology of adrenaline.

SHORT ESSAY (Answer any Nine)**9 X 5 = 45 Marks**

5. Explain role of Phase-I & II biotransformation of drugs.
6. Explain about the drug receptor interaction.
7. Write the pharmacology of atrovastatin.
8. Explain the neurohumoral GABA transmission.
9. Explain the pharmacology of carbidopa.
10. Write the physiological and pathological role of histamine.
11. Write the pharmacology of tissue plasminogen activator.
12. Write the pharmacology of any one general anesthetic.
13. Write the classification of hematinics. Explain the significance of granulocyte-Macrophage Colony Stimulating Factor (GM-CSF).
14. What are the differences between narcotic and non-narcotic analgesics?
