

[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. Classify adrenergic drugs. Discuss the detailed pharmacology. ADRs, side effects of adrenaline. Write the major differences between adrenaline and nor adrenaline.
2. Write the mode of action, pharmacological actions, ADRs, doses and uses of morphine.
3. Classify anti-arrhythmic agents. Discuss the pharmacological actions, ADRs and uses of any one class of anti-arrhythmic agents.
4. What is the significance of plasma protein binding? Enlist and explain any five factors affecting absorption of drugs with examples.

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

5. Discuss the mode of action and side effect of general anesthetics.
6. Describe the mode of action and pharmacological actions of simvastatin.
7. What are anxiolytics? Classify them and write the pharmacological actions of thiopental sodium.
8. Discuss the mode of action and therapeutic uses of pancuronium bromide.
9. What is Ischemic heart disease? Write the mode of action and ADRs of isosorbide mononitrate.
10. Discuss the role of GABA as neuroinhibitory transmitter.
11. Describe the pharmacological actions of histamine.
12. Describe the mode of action and pharmacological actions of prazosin.
13. What are receptors? Classify them and write about G-protein coupled receptor.
14. Write the mode of action and ADRs of ramipril.

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