

[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. Explain about neurohumoral transmission in CNS. (10)
2. What is epilepsy? Classify antiepileptics. Write the pharmacology of sodium valproate. (2+3+5)
3. Explain the role of a) Histamine b) Opioid autotoxins (5+5)
4. Define hypertension? Classify and explain the pharmacology of any one beta-blocker. (2+3+5)

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

5. Write the pharmacology of xylocaine.
6. Write the pharmacology of heparin.
7. What are preanaesthetic medications? Explain with examples.
8. Write the pharmacology of one atypical antipsychotic agent?
9. Write the pharmacology of morphine.
10. Explain about protein binding of drugs.
11. Write the pharmacological actions and adverse effects of any one calcium channel blocker.
12. Write the pharmacological actions and therapeutic uses of Acetazolamide.
13. Write the pharmacological actions of Quinidine.
14. Write the role of platelet activating factor.

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