



[Time: 3 Hours]

[Max. Marks: 100]

ADVANCED PHARMACOLOGY AND TOXICOLOGY

PAPER II

(Revised Scheme 2)

Q.P. CODE : 9242

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

LONG ESSAY (Answer any TWO)

2 X 20 = 40 Marks

1. a) Define a neurotransmitter
b) Write the pre requirements to be a neurotransmitter
c) Explain the types of receptors on which Neurotransmitters act
2. a) Classify antihypertensive drugs
b) Discuss the mechanism of action, pharmacology toxicology and uses of calcium channel blockers.
c) Add a note on role of oral diuretics on hypertension
3. a) Classify the antibiotics according to their mechanism
b) Write down the mechanism of antibiotic resistance with the uses of β - lactum antibiotics
c) Discuss the spectrum of activity, adverse effects and uses of β - Lactum antibiotics

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

4. HMG CoA reductase inhibitors
5. Peripherally acting skeletal muscle relaxants
6. Ligand gated ion channels
7. Antimetabolites in cancer chemotherapy
8. Role of prostaglandins
9. Antiparkinsonism drugs

SHORT NOTES

2 X 5 = 10 Marks

10. Insulin and its preparations
11. Specific cox - II inhibitors

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