

Rajiv Gandhi University of Health Sciences
First Year M.Pharm Degree Examination - October 2010

[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 C_oA 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

* * * * *