

ADVANCED PHARMACOLOGY AND TOXICOLOGY**PAPER II
(RS2 & RS3)****Q.P. CODE : 9242**

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

LONG ESSAY (Answer any TWO)**2 X 20 = 40 Marks**

1.
 - a. Define and Classify the receptors.
 - b. Explain in detail G protein coupled receptors.
 - c. Write a note on drugs acting on GABA receptors.
2.
 - a. Classify with examples antihypertensive drugs.
 - b. Discuss the therapeutic role of calcium channel blockers.
 - c. Discuss the role of local anesthetics in arrhythmia.
3.
 - a. Immunomodulators
 - b. Discuss various invivo and invitro carcinogenicity studies.
 - c. Explain the mechanism of multi drug resistance (MDR).

SHORT ESSAY (Answer any FIVE)**5 X 10 = 50 Marks**

4. Discuss the role of Nitric oxide as signaling molecule.
5. Write a note on bradykinin.
6. Discuss about various insulin preparations.
7. Discuss Pharmacotherapy of Rheumatoid arthritis.
8. Discuss female reproductive toxicity.
9. Discuss chemoprophylaxis of tuberculosis

SHORT NOTES**2 X 5 = 10 Marks**

10. Oxygen free radicals
11. Mechanism of action of digitoxin

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