

Rajiv Gandhi University of Health Sciences
First Year M.Pharm Degree Examination - May 2011

[Time: 3 Hours]

[Max. Marks: 100]

ADVANCED PHARMACOLOGY AND TOXICOLOGY**PAPER II****(RS 2 & RS 3)****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) Classify anticancer drugs
 - b) Discuss the mechanism of action, uses of alkylating agents
 - c) Write a note on adverse effects of methotrexate
2.
 - a) Classify sympathomimetic drugs
 - b) Discuss the pharmacology, Toxicology and uses of catecholamines
 - c) Add a note on Tachyphylaxis
3.
 - a) Classify the Receptors
 - b) Explain the G – protein coupled Receptors
 - c) Add a note on drugs acting on GABA Receptors

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

4. Role of autocoids in inflammation
5. Oral antidiabetic drugs
6. Phase – I Biotransformation
7. Drugs used in the treatment of AIDS
8. Tricyclic antidepressants
9. Cephalosporins

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

10. Anti-migraine drugs
11. Mechanism of action of digitalis

* * * * *