

Rajiv Gandhi University of Health Sciences, Karnataka

Fourth year B.Pharm Degree Examination – August 2010

Time: Three Hours

Max. Marks: 80 Marks

PHARMACOLOGY & TOXICOLOGY (Revised Scheme - 2)

Q.P. CODE: 1968

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Define bioassay. Explain the principles, merits, demerits and applications of bioassays in detail
2. Classify sulfonamides. Write the mechanism of action, antibacterial spectrum, side effects and therapeutic uses of clotrimoxazole
3. Classify drugs used in peptic ulcer treatment and discuss on proton pump inhibitors in detail

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Classify ergot alkaloids with examples and discuss on ergometrine
5. Discuss the mechanism of action and adverse effects of aminoglycosides
6. Write a note on drugs used in bronchial asthma
7. Discuss on prophylactic and combined use of antimicrobial agents
8. Explain the pharmacology and side effects of histamine
9. Write a note on pharmacokinetic type of drug interactions
10. Antiviral drugs
11. Discuss on mechanism of action, side effects and uses of dapsone
12. Classify antimalarials with examples and add a note on chloroquine
13. Write a note on alkylating agents of cancer chemotherapy

SHORT ANSWERS

10 x 2 = 20 Marks

14. β lactamase inhibitors
15. Oral contraceptives
16. Antiemetics
17. Newer insulins
18. Fluroquinolones
19. Streptomycin
20. Anthelmintics
21. Cross resistance
22. Expectorants
23. Chloramphenicol
