

Rajiv Gandhi University of Health Sciences, Karnataka
II Year Pharm-D Degree Examination – Jan 2014

Time: Three Hours

Max. Marks: 70 Marks

PHARMACOLOGY - I

Q.P. CODE: 2859

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. Classify cholinergic drugs with examples, write the pharmacology of Acetylcholine
2. What are antihypertensive agents, classify them with examples. Explain the mechanism of action and therapeutic uses of ACE inhibitors
3. Enumerate different routes of drug administration and write the merits and demerits of oral and parenteral routes of drug administration

SHORT ESSAYS (Answer any six)

6 x 5 = 30 Marks

4. Define angina pectoris; classify anti-anginal drugs with examples. Write the mechanism of action and therapeutic uses of Nitrates
5. Explain briefly G-protein coupled receptors
6. Define biotransformation. Explain briefly phase I and II reactions
7. Define autocoids. Write the pharmacology of histamine
8. Define and classify anti-thyroid drugs. Write the pharmacological action of any one drug
9. Classify anti-convulsants with examples; write the mechanism of action and therapeutic uses phenytoin
10. Write the pharmacology of Aspirin
11. Define and classify General anesthetics; write a note on the stages of General anesthesia

SHORT ANSWERS

10 x 2 = 20 Marks

12. Alcohol
13. Oxytocin
14. Myasthenia gravis
15. Neuromuscular blockers
16. Pre-clinical studies
17. Local anesthetics
18. Insulin
19. 5-HT (5-hydroxy tryptamine)
20. Excretion of drugs
21. Adverse effects and uses of Atropine
