

# Rajiv Gandhi University of Health Sciences, Karnataka

## II Year Pharm-D Degree Examination – Dec-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, explain the pharmacology of Acetylcholine
2. Define and classify antihypertensive agents 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 autacoids. 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. Explain the pharmacology of Aspirin
11. Define and classify General anesthetics; explain the stages of General anesthesia

#### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

12. Write the symptoms of acute alcohol intoxication
13. Write the adverse reactions and uses of Oxytocin
14. Mention anti myasthenia gravis agents
15. Classify Neuromuscular blockers with examples
16. Mention the stages of Pre-clinical studies
17. Classify Local anesthetics with examples
18. Mention Insulin preparations
19. Ondansetron
20. Excretion of drugs
21. Adverse effect and Uses of Atropine

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