

# Rajiv Gandhi University of Health Sciences, Karnataka

## II Year Pharma-D Degree Examination – Aug 2013

**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. *Enlist different routes of administration. Mention advantages and disadvantages of oral route of administration.*
2. Define bioavailability? Explain the factors affecting bioavailability
3. Classify non - steroidal anti - inflammatory drugs with examples. Write the pharmacological actions of aspirin

#### **SHORT ESSAYS (Answer any six)**

**6 x 5 = 30 Marks**

4. Classify adrenergic blockers and explain the pharmacology of Atenolol
5. Biotransformation of drugs
6. Explain the mechanism of action of any two categories of antihypertensive agents
7. Classify local anesthetics and write the actions of Lignocaine
8. Write a note on fibrates
9. Classify anti - convulsants with examples
10. Cognition enhancers
11. *Explain Pathogenesis of Arrhythmia and list out the drugs used in the treatment of Arrhythmia*

#### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

12. Catecholamines
13. Pentobarbitone
14. Anti - hyperlipidemics
15. Halothane
16. Merits and demerits of intravenous drug administration
17. Mention the uses of morphine
18. Nifedepine
19. Mydriatics
20. Therapeutic index
21. Nasal decongestants

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