Rajiv Gandhi University of Health Sciences, Karnataka

II Year Pharma-D Degree Examination – Sep 2012

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. What are the neurotransmitters present in CNS? Explain neurohumoral transmission

2. Classify drugs used in congestive heart failure. Give the pharmacology of digitalis

3. Enumerate different routes of drug administration and write the merits and demerits of enteral and parenteral route of administration

SHORT ESSAYS (Answer any six)   **6 x 5 = 30 Marks**

4. Discuss the pharmacological actions of phenytoin

5. Write a note on adrenergic receptor blockers

6. Write a note on Dopamine

7. Write a short note on oral hypoglycemic agents

8. Classify anti – depressants with examples explain the pharmacology of amitryptaline

9. Define angina pectoris, classify anti – anginals and describe the mechanism of action of nitro –vasodilators

10. Discuss the pharmacological actions of HMg CoA reductase inhibiters

11. Write the mechanism of actions of fibrates

SHORT ANSWERS   **10 x 2 = 20 Marks**

12. Nasal Decongestants

13. Define drug and health

14. Atenolol

15. Define synergism and antagonism

16. Ligand gated ion channels

17. Secondary messengers

18. Give an account of adverse effects of morphine

19. Beneficial effect of drug-interactions

20. Bronchodilators

21. Write a note on drug metabolizing enzymes

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