



# Rajiv Gandhi University of Health Sciences, Karnataka

## IV Year Pharm-D Degree Examination – 03-Jan-2020

**Time: Three Hours****Max. Marks: 70 Marks**

### PHARMACOTHERAPEUTICS - I (RS)

**Q.P. CODE: 2867**

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 is diabetes mellitus? Write its pathophysiology. Explain the choice of anti-diabetics for treating diabetes mellitus.
2. What is hypertension? Write its epidemiology and aetiology. Add an algorithm for treating hypertension.
3. What is asthma? Write its aetiology and manifestations. Write about the choice of medications in asthma treatment.

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

4. Write about the drug induced pulmonary diseases and their prevention.
5. Write about the therapeutic mechanism, advantages and disadvantages of oral contraceptives.
6. Write about the electrophysiology of heart.
7. What is rational drug use? What are the roles of pharmacist in promoting rational drug use?
8. Explain various factors that affect pharmacokinetics of drugs in paediatric population.
9. What are the factors that affect the use of medications during pregnancy? Give examples.
10. Explain why rational drug use is important in elderly patient population.
11. Write about the treatment of conjunctivitis.

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

12. Write about aetiology of congestive heart failure.
13. List out any four approaches of non-pharmacological treatment of hyperlipidaemia.
14. Briefly write on three principles used while treating coronary artery diseases.
15. List out four patient education and counselling information given to patients with cardiac arrhythmia.
16. What are the differences between primary open-angle and closed angle glaucoma?
17. List out any four clinical manifestations of hyperthyroidism.
18. Explain any one pulmonary function test.
19. What are the approaches used preventing drug exposure in infants.
20. List out any four patient education/counselling given to patients with diabetes mellitus.
21. Write about the ancillary treatment used in hypertensive patients.

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