



# Rajiv Gandhi University of Health Sciences, Karnataka

Fourth Year Pharma-D (Post Baccalaureate) Examination - Feb/March 2011

**Time: Three Hours**

**Max. Marks: 70 Marks**

## PHARMACOTHERAPEUTICS – I

### 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. Explain the role of diuretics and sympathomimetics in congestive cardiac failure and explain the role of nitrates in acute coronary syndrome
2. Enumerate the various type of insulin. Explain the mechanism, pharmacokinetics and adverse effects of insulin injections
3. Classify glaucoma? Draw a neat algorithm for pharmacotherapy of open angle glaucoma

#### SHORT ESSAYS (Answer any Six)

**6 x 5 = 30 Marks**

4. Explain the categorization of drugs in pregnancy with suitable examples
5. Differentiate lung volume tests and capacities with a neat illustration
6. Explain the role of Class I anti-arrhythmic agents
7. Explain the role of inhaled beta agonists in the management of Asthma
8. Discuss the treatment options for Osteoporosis
9. Explain the general prescribing guidelines for paediatric patients
10. Discuss the role of thiazolidinediones in the management of type II diabetes mellitus
11. Define rational drug use and explain the role of pharmacist in essential drug concept

#### SHORT ANSWERS

**10 x 2 = 20 Marks**

12. Why diuretics are least preferred in Indian population for the management of hypertension
13. Enlist four drugs that affect the thyroid function
14. Discuss the role of morphine in the management of myocardial infarction
15. Explain nitrate tolerance and the method to prevent the same
16. Enlist the major adverse effects of oral contraceptives
17. Explain the role statins in hyperlipidemia
18. Enumerate the post menopausal symptoms
19. What is lactic acidosis? Mention few drugs that can produce this side effect
20. Mention the choice of antihypertensives used in pregnant women
21. Comment for diuretic and digoxin combination in management of congestive heart failure

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