

# Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - DECEMBER 2015

Time: Three Hours

Max. Marks: 100 Marks

## Pharmacology – Paper I (RS2 & RS3 SCHEME)

**Q.P. CODE: 1085**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

### LONG ESSAYS

**2 x 10 = 20 Marks**

1. Define the term Drug Biotransformation. Describe the different types of biotransformation with suitable examples.
2. Classify the non-steroidal anti-inflammatory drugs. Write the pharmacological actions of aspirin. Mention its adverse effects and contraindications.

### SHORT ESSAYS

**10 x 5 = 50 Marks**

3. Therapeutic uses of anticholinesterase agents
4. Drug tolerance
5. Therapeutic uses and adverse effects of propranolol
6. Advantages and disadvantages of Halothane
7. Mechanism of action and therapeutic uses of Potassium sparing diuretics
8. Mechanism of action and therapeutic uses of Digoxin
9. Oral iron therapy
10. Mechanism of action and clinical uses of Sodium valproate
11. Pharmacotherapy of myocardial infarction
12. Atorvastatin

### SHORT ANSWERS

**10 x 3 = 30 Marks**

13. List three uses of Nitrates.
14. List three uses and three adverse effects of Atropine.
15. Role of barbiturates in kernicterus
16. Ethyl alcohol is used in treatment of methyl alcohol poisoning – give reasons.
17. Disadvantages of thiopental sodium
18. Rationale for combining adrenaline with lignocaine
19. Selective  $\beta_2$  stimulants
20. Levodopa is not useful in drug induced Parkinsonism – give reasons
21. Name three non-depolarizing neuromuscular blockers.
22. Sodium nitroprusside

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59  
84

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## Pharmacology – Paper II (RS2 & RS3 SCHEME)

**Q.P. CODE: 1086**

Your answers should be specific to the questions asked  
Draw neat, labeled diagrams wherever necessary

### LONG ESSAYS

**2 x 10 = 20 Marks**

1. Classify drugs used in the chemotherapy of tuberculosis. Outline the mechanism of action and adverse effects of Isoniazid. Describe short course chemotherapy.
2. Classify Glucocorticoids. Describe their mechanism of anti-inflammatory actions, therapeutic uses and adverse effects.

### SHORT ESSAYS

**10 x 5 = 50 Marks**

3. Vinca alkaloids
4. Mast cell stabilizers
5. Management of diabetic ketoacidosis
6. Pantoprazole
7. Azithromycin
8. Third generation cephalosporins
9. Tocolytics
10. Ofloxacin
11. Fluconazole
12. Nucleoside reverse transcriptase inhibitors

### SHORT ANSWERS

**10 x 3 = 30 Marks**

13. Name three, second-generation H1 antihistamines and their uses.
14. Three drugs used in Chloroquine resistant falciparum malaria with their mechanism of action
15. Lactulose
16. Dimercaprol
17. Radioactive Iodine
18. Domperidone
19. Diethyl carbamazine
20. Mention three drugs used in acute Gout.
21. Three drugs used in the treatment of Lepra reaction
22. Name three insulin analogues.

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