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# Rajiv Gandhi University of Health Sciences, Karnataka

**MBBS (Phase - II) Degree Examination - JULY 2015**

Time: Three Hours

Max. Marks: 100 Marks

**Pharmacology – Paper II (RS 2 & RS3)****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 Gluco-corticoids. Describe uses and contraindications of Gluco-corticoids. (2+4+4)
2. Classify Antimalarial Drugs. Write mechanism of action and adverse effects and uses of Chloroquine. (4+2+2+2)

**SHORT ESSAYS****10 x 5 = 50 Marks**

3. Chemoprophylaxis of HIV infections
4. Uses and adverse effects of Rifampicin
5. Carbapenems
6. Ketoconazole
7. Proton Pump Inhibitors
8. 5  $\alpha$ -Reductase Inhibitors
9. Antitussives
10. Azathioprine
11. Oxidizing Antiseptic agents
12. Promethazine

**SHORT ANSWERS****10 x 3 = 30 Marks**

13. Advantages of Domperidone over Metoclopramide
14. Bisacodyl
15. Sulfasalazine
16. Three adverse effects of Aminoglycosides
17. Mention types of Insulin preparations.
18. Gonadotropin releasing Hormone Analogues
19. Mechanism of action of Fluoroquinolones
20. Mycophenolate Mofetil
21. Clavulanic Acid
22. Permethrin

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# Rajiv Gandhi University of Health Sciences, Karnataka

## MBBS (Phase - II) Degree Examination - JULY 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. Describe the pharmacological actions, therapeutic uses and adverse effects of atropine.
2. Classify non-steroidal anti-inflammatory drugs (NSAIDs). Describe the therapeutic uses and adverse effects of aspirin.

#### SHORT ESSAYS

10 x 5 = 50 Marks

3. Sublingual route of drug administration
4. Drug antagonism
5. Succinyl choline
6. Selective  $\beta_2$  stimulants
7. Uses and adverse effects of organic nitrates
8. Cardiac actions of digoxin
9. Amlodipine
10. Pre-anaesthetic medication
11. Tricyclic antidepressants
12. Warfarin sodium

#### SHORT ANSWERS

10 x 3 = 30 Marks

13. What is first pass metabolism? How does it affect bioavailability of a drug?
14. Explain by giving two examples how genetic factors can modify effect of a drug.
15. Explain the pharmacological basis for using ethanol in methanol poisoning.
16. Mention three therapeutic uses of neostigmine.
17. Why dopamine is used in cardiogenic shock?
18. Explain the mechanism of antihypertensive action of Beta-blockers.
19. Explain by giving reasons two contraindications for use of angiotensin converting enzyme (ACE) inhibitors.
20. What are the indications for use of mannitol?
21. What are the factors modifying absorption of iron from gastrointestinal tract?
22. For a patient of pernicious anaemia give your drug of choice, its dose, route of administration and duration of treatment.

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