

# 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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