

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - JULY 2015

Time: Three Hours**Max. Marks: 90 Marks****Pharmacology (Old Scheme)****Q.P. CODE: 1008**

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

LONG ESSAYS**2 x 10 = 20 Marks**

1. Classify sympathomimetic drugs based on their therapeutic actions. Explain the clinical indications and contraindications of adrenaline.
2. Classify oral antidiabetic drugs. Write the mechanism of action, adverse effects and uses of sulfonylureas.

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

3. Sodium valproate – mechanism of action, uses and adverse effects
4. Fibrinolytics
5. Drug tolerance
6. Suprainfection
7. Uses and adverse effects of nitrates
8. Macrolide antibiotics
9. Uses of prostaglandin analogues
10. Insulin analogues
11. Allopurinol
12. Therapeutic index

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

13. Mention two drugs useful in treatment of pulmonary edema with the basis for their use.
14. What is the basis for the use of "low dose aspirin" in post myocardial infarction patients?
15. Explain the basis for the use of levodopa and carbidopa combination in parkinsonism.
16. Giving an indication, explain the rationale for the use of enalapril and hydrochlorothiazide combination.
17. Mention two tocolytics that act by different mechanisms.
18. Write any two advantages of antimicrobial combination with examples.
19. Explain "first dose phenomenon".
20. Write the therapeutic use and the mechanism of action of atorvastatin.
21. Mention two purgatives and outline the mechanism of action of each.
22. Mention two antifungal drugs with their different modes of action used in dermatophyte infection.
