



Rajiv Gandhi University of Health Sciences, Karnataka

III Year Pharma-D Degree Examination – Jan 2014

Time: Three Hours

Max. Marks: 70 Marks

PHARMACOLOGY – II

Q.P. CODE: 2861

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. Classify antineoplastic agents with examples. Explain the Pharmacology of Methotrexate
2. Explain the different phases of cell cycle and add a note on cell cycle regulators
3. Explain the basic principles of transcription in prokaryotes and mention the factors regulating the transcription

SHORT ESSAYS

6 x 5 = 30 Marks

4. Classify immunosuppressants with examples and write their uses
5. Classify antiviral agents with examples and write their uses
6. Explain the role of P38 kinase in signal transduction pathway
7. Explain DNA replication
8. Explain about the sub acute toxicity studies
9. Explain the mechanism action and uses of furosemide
10. Classify oral anticoagulants and explain the mechanism of warfarin sodium
11. Classify antifungal agents with examples and write their uses

SHORT ANSWERS

10 x 2 = 20 Marks

12. Write the mechanism of action of Cephalosporins
13. What are oncogenes? Give examples
14. Name any four anthelmintic drugs
15. List out the adverse effects of aminoglycoside antibiotics
16. Name any two thrombolytic and antiplatelet agents
17. Write the chromatin structure
18. What is co-trimoxazole
19. Write the therapeutic uses and contraindication of tetracycline
20. What are plasma expanders? Give examples
21. What is gene expression

