Rajiv Gandhi University of Health Sciences, Karnataka

III Year Pharma-D Degree Examination – Sep 2013

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 antimicrobial agents with examples. Explain the Pharmacology of Penicillins
2. Classify antitubercular drugs with examples. Explain their mechanism of action
3. Mention the cell cycle regulators and modifiers and explain their role in cell cycle progression

SHORT ESSAYS (answer any six)   **6 x 5 = 30 Marks**

4. Explain the mechanism of action of sulfonamides
5. Classify antimalarial agents with examples
6. *Explain the role of RAS in signal transduction pathway*
7. Explain the term genome complexity
8. Explain chronic toxicity studies
9. Classify diuretic agents with examples
10. Explain the mechanism of action of cephalosporins
11. Discuss the adverse effects of antineoplastic agents

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

12. Write the mechanism of action of tacrolimus
13. Name the tumor suppressor genes
14. Mention the applications of recombinant DNA technology
15. Write the therapeutic uses of antiplatelet drugs
16. Give examples for immunostimulants
17. Name the macrolide antibiotics
18. Mention the cellular macromolecules
19. Write the adverse effects of chloramphenicol
20. What are biosensors
21. Write the therapeutic uses of anticoagulants

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