Rajiv Gandhi University of Health Sciences, Karnataka

III Year Pharma-D Degree Examination – Feb / Mar 2012

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   **2 x 10 = 20 Marks**

1. a) Classify anti–microbial agents with suitable examples
    b) Explain the mechanism of action, adverse effects, contraindication and uses of tetracycline antibiotics

2. a) Define anti – coagulants. Classify and explain the Pharmacology of oral anticoagulants
    b) Classify diuretics. Explain the Pharmacology of high ceiling diuretics

3. a) What is translation? Explain the process of translation in protein synthesis process
    b) Explain the various phases of cell cycles and add a note on restriction point

SHORT ESSAYS   **6 x 5 = 30 Marks**

4. Explain the mechanism of action of co – trimoxazole. Give its uses and adverse effects
5. Write a note on anti–diuretic hormone
6. Classify the drugs used for the treatment of cancer and explain mechanism of action of one anticancer drug
7. Write the adverse effects and uses of cephalosporin antibiotics
8. Explain the principle involved in the rDNA technology
9. What is gene therapy? Explain the disease target for gene therapy
10. What is acute and sub–acute toxicity studies? Explain
11. Classify immunosuppressant drugs and explain the mechanism of action of any one drug

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

12. Name the signaling molecules in cell signaling
13. Classify anti–tubercular drugs with examples
14. Name any four antifungal drugs
15. What are plasma expanders? Give examples
16. Name the base pairs of DNA and RNA
17. Write a note on aspirin as anti-platelet drug
18. Write four uses of immunosuppressant
19. Classify cells
20. Name any four anthelmintic drugs
21. Give the applications of gene mapping

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