

Rajiv Gandhi University of Health Sciences, Karnataka

III Year Pharm-D Degree Examination – DEC-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. Explain the principles, process and applications of recombinant DNA technology.
2. Define and classify sulfonamides with examples. Explain the pharmacology of Co-trimoxazole.
3. Define immunosuppressant. Classify them with appropriate examples and write the pharmacology of any one immunosuppressant drug.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Explain the significance of restriction point in cell cycle. Give a note on cell cycle regulators and modifiers.
5. Classify anti TB drugs with examples and write the adverse effects of isoniazid.
6. Write a note on gene therapy.
7. Define Fluoroquinolones and classify quinolones with examples.
8. Define and classify antiamoebics. Explain the mechanism of action and therapeutic uses of Metronidazole.
9. Define and classify penicillins with examples.
10. Explain chronic toxicity study.
11. Give a note on transcription.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Antidiuretic hormone
13. Applications of diuretics.
14. Betalactamase inhibitors
15. Thrombolytics- examples and applications.
16. Name four anti cancer drugs.
17. Give the mechanism of tetracycline.
18. Adverse effects of chloramphenicol.
19. Biosensors
20. Streptokinase.
21. Primaquine.
