



Rajiv Gandhi University of Health Sciences, Karnataka

III Year Pharm-D Degree Examination – NOVEMBER 2015

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. Discuss the structure of DNA. Describe the process of DNA replication.
2. Classify anti-cancer drugs. Write a note on alkylating agents.
3. Define and classify aminoglycoside antibiotics. Explain the mechanism of action of streptomycin along with its adverse effects & uses.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Define and classify anti-leprotic agents. Explain the mechanism of action and therapeutic uses of dapsone.
5. What is translation? Explain the process of translation in protein synthesis.
6. Classify diuretics with examples. Enlist their applications.
7. Explain the various phase of cell cycle.
8. Classify cephalosporins with examples.
9. Explain the mechanism of action, adverse effects and therapeutic uses of co-trimoxazole.
10. Explain the mechanism of action & clinical uses of the fluoroquinolones.
11. Define and classify anthelmintics with examples.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Define anticoagulants with two examples.
13. Effect of tetracycline on foetal growth.
14. Biosensors.
15. Therapeutic uses of antiplatelets.
16. Azithromycin
17. Name any four immunostimulants.
18. Give the applications of gene mapping.
19. Mechanism of action of metronidazole.
20. Griseofulvin.
21. Name any four antiviral agents.
