

Rajiv Gandhi University of Health Sciences, Karnataka

III Year Pharm-D Degree Examination – June/July 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. Enlist antineoplastic agents with suitable examples. Write mechanism of action of 6-Mercaptopurine.
2. Discuss in detail mechanism of action of β -lactam antibiotics and its adverse effects. Mention therapeutic applications.
3. Write in detail principles and applications of recombinant-DNA technology.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Explain the mechanism of action of anticoagulants and mention therapeutic uses of heparin.
5. Write mechanism of action of sulphonamides and its adverse effects.
6. Write the therapeutics uses and mechanism of action of INH.
7. Explain the mechanism of action of and therapeutic uses of streptomycin.
8. Classify antimalarial drugs with examples and explain life cycle of plasmodium.
9. Write a note on gene therapy.
10. Explain the process of DNA-replication and its significance.
11. Classify diuretic with examples and give their applications.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Write a note on thrombolytics.
13. Therapeutic applications and adverse effects of cyclosporine.
14. Explain acute and chronic toxicity.
15. Mechanism of furosemide.
16. Name any four macrolide antibiotics.
17. Therapeutic uses co-trimoxazole and tinidazole.
18. Highlight on oncogene.
19. Define Genome.
20. Mechanism actions of streptokinase.
21. Draw the diagram of cell-cycle.
