

Rajiv Gandhi University of Health Sciences, Karnataka

III Year Pharm-D Degree Examination – 01-Dec-2020

Max. Marks: 70 Marks

Time: Three Hours

PHARMACOLOGY –II (RS & RS2)

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. What are macrolide antibiotics? Give examples. Write the antimicrobial spectrum, mechanism of action and therapeutic uses of erythromycin.
2. Differentiate between gene sequencing and mapping. Describe any two methods of gene sequencing.
3. a) Classify anticancer agents with examples.
b) Classify antiretroviral agents with examples? Mention their important adverse effects.

SHORT ESSAYS (answer any six)

6 x 5 = 30 Marks

4. Write mechanism of action, adverse effects and therapeutic uses of warfarin
5. Write mechanism of action, adverse effects and uses of thiazide diuretics
6. Write the mechanism of action and uses of ampicillin.
7. Write briefly on therapeutic classification of antimalarial agents.
8. What is chromosome? Explain the structural aspects of the chromosome in eukaryotes.
9. What is gene therapy? Write strategies and applications of gene therapy.
10. What are biosensors? Write their general mode of action and uses.
11. What is RNA processing? Write the importance of rRNA, tRNA and mRNA.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Mention two adverse effects and two contraindications for anticoagulants.
13. What are osmotic diuretics? Write their uses.
14. Enlist the drugs causing ototoxicity?
15. What is DOTS therapy?
16. What are interferons? Give examples.
17. Enlist cytokine inhibitors.
18. Explain the term subacute toxicity.
19. What is anaphase?
20. What is zygotene?
21. What are OKAZAKI fragments?
