

Rajiv Gandhi University of Health Sciences, Karnataka
III Year Pharm-D Degree Examination – 28-May-2024

Time: Three Hours

Max. Marks: 70 Marks

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. Classify Anti malarial drugs with examples. Write mechanism of action and adverse effects of Chloroquine.
2. Explain about Protein synthesis in Eukaryotes.
3. a) Write the mechanism of action and adverse effects of Amoxycillin.
b) Explain different modes of cell communication.

SHORT ESSAYS (answer any six)

6 x 5 = 30 Marks

4. Write the mechanism of action, adverse effects and therapeutic uses of Warfarin.
5. Define Cancer and classify Anticancer drugs with examples.
6. Write the mechanism of action and adverse effects of Furosemide.
7. Describe the Signal transduction of JAK-STAT pathway.
8. Describe the structure of gene with a neat labeled diagram.
9. Classify anthelmintics with examples. Mention mode of action and ADR of any one drug.
10. Describe briefly about restriction enzymes used in Recombinant DNA technology.
11. Write mechanism of action, adverse effects and therapeutic uses of Dapsone.

SHORT ANSWERS

10 x 2 = 20 Marks

12. What are carbonic anhydrase inhibitors? Give two examples.
13. Write the mechanism of action of Thrombolytic agents.
14. Mention four Antifungal drugs.
15. Write the mechanism of action of Metronidazole.
16. Write the applications of gene sequencing.
17. Write the mechanism of action of Cyclosporin.
18. Explain the term subacute toxicity.
19. Write four applications of Biosensors.
20. Differentiate between DNA and RNA.
21. Name four diseases caused due to mutations.
