

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**III Year Pharm-D Degree Examination – 10-Nov-2021**

**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 antimalarials. Describe the mode of action, adverse drug reactions and therapeutic uses of chloroquine and artemisinins.
2. Explain the principles, concept and applications of gene therapy.
3. Classify antitubercular and antileprotic agents. Discuss the DOTS therapy for tuberculosis.

**SHORT ESSAYS (answer any six)**

**6 x 5 = 30 Marks**

4. Write the mode of action, antibacterial spectrum and uses of penicillin G.
5. Classify immunosuppressant and write the uses of cyclosporine A.
6. Discuss chronic toxicity studies.
7. Classify diuretics. Describe the mode of action of loop diuretics.
8. Write the mode of action and therapeutic uses of heparin.
9. Write the major steps involved in protein biosynthesis.
10. Classify anticancer drugs? Mechanism of action of methotrexate.
11. What is mutation and classify. Write a note on point mutations.

**SHORT ANSWERS**

**10 x 2 = 20 Marks**

12. Ligases in rDNA.
13. Therapeutic uses of ofloxacin.
14. Mode of action of Albendazole.
15. Enlist drugs used in protozoal infections.
16. Co trimaxazole.
17. Genomic complexity
18. Gene transfer methods.
19. Drugs used in Urinary tract infections.
20. Cell cycle and its phases.
21. Mechanism of action of Tetracyclines.

\*\*\*\*\*