

Rajiv Gandhi University of Health Sciences, Karnataka
III Year Pharm-D Degree Examination – 22-Oct-2024

Time: Three Hours

Max. Marks: 70

PHARMACOLOGY –II (RS & RS-2)

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 the mechanism of action, adverse effects and therapeutic uses of chloroquine
2. What are Penicillins? Classify them. Write the antimicrobial spectrum, adverse effects and uses of natural penicillin
3. Classify anti viral agents with examples. Write the mechanism of action, adverse reactions and therapeutic uses of acyclovir

SHORT ESSAYS (answer any six)

6 x 5 = 30 Marks

4. Explain the pharmacology of aspirin and clopidogrel combination
5. Write the examples, ideal properties and therapeutic uses of plasma expanders
6. Write the mechanism of action, adverse effects and uses of loop diuretics
7. Classify anticancer drugs with examples
8. Explain the mechanism of action of two anti microbial agents acting by inhibiting protein synthesis
9. Describe the features of genetic code
10. Explain JNK signal transduction pathway
11. Briefly explain the basic principles involved in transcription in eukaryotes

SHORT ANSWERS

10 x 2 = 20 Marks

12. Mention any four drugs causing nephrotoxicity
13. Write the therapeutic uses of thrombolytics
14. What is acute and chronic toxicity?
15. Mention the drugs used in tape worm infestation
16. Write uses of tacrolimus
17. What are the different phases of cell cycle?
18. List out any four special toxicity studies
19. Write the four applications of rDNA technology
20. Differentiate between eukaryotic and prokaryotic chromosome
21. Write the modes of cell communication
