

**Rajiv Gandhi University of Health Sciences, Karnataka**

III Year Pharma-D Degree Examination – Sep 2012

**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****2 x 10 = 20 Marks**

1. Explain the process of protein synthesis giving emphasis on transcription and translation process and their regulation
2. Classify anticancer drugs with suitable examples. Explain the mechanism of action, adverse effects and uses of Cyclophosphamide
3. Explain the Pharmacology of furosemide

**SHORT ESSAYS****6 x 5 = 30 Marks**

4. Explain the adverse events of aminoglycoside antibiotics
5. Write the mode of action and uses of antidiuretic hormone
6. Name any four drugs used for Amoebiasis and explain mechanism of action of any one drug
7. Write the adverse effects and uses of Quinoline antibiotics
8. Explain the Pharmacology of anti-platelet drugs
9. Explain the process of DNA replication
10. Write a note on cell cycle regulators
11. Write a note on acute and chronic toxicity studies

**SHORT ANSWERS****10 x 2 = 20 Marks**

12. Uses of antiviral drugs
13. Name the sub-cellular organelles
14. Name the method of communication between the cells
15. Name the uses of anti-coagulants
16. Write a note on co-trimoxazole
17. Antibacterial spectrum of cephalosporin
18. Name any four ADR of Tetracycline
19. Name the components of gene
20. Biosensors
21. Name the processes involved in gene transfer

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