



# Rajiv Gandhi University of Health Sciences, Karnataka

III Year Pharm-D Degree Examination – NOV 2016

**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 (Answer any two)

**2 x 10 = 20 Marks**

1. Classify anti- malarial drugs with examples. Add a note on mefloquine and artemisinin derivatives
2. Explain RNA processing in detail
3. Classify diuretics with examples. Explain the pharmacology of loop diuretics

### SHORT ESSAYS (Answer any six)

**6 x 5 = 30 Marks**

4. Write a note on 'lac operon'
5. Explain briefly about the various 'altered gene functions'
6. Explain 'flow of genetic information'
7. Adverse effects and uses of aminoglycosides
8. Write a note on 'Biosensors'
9. Explain the pharmacology of Vinca alkaloids
10. Write a note on chronic toxicity studies
11. Write the pharmacology of acyclovir

### SHORT ANSWERS

**10 x 2 = 20 Marks**

12. Gene sequencing
13. Adverse effects of warfarin
14. Therapeutic uses of clopidogrel
15. JNK pathway of signal transduction
16. Structure of chromosome
17. Tazobactam
18. Name four immunostimulants
19. Name four macrolide antibiotics
20. Mechanism of action of methotrexate
21. Distinguish between thrombolytics and anticoagulants

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