

# Rajiv Gandhi University of Health Sciences, Karnataka

III Year Pharm-D Degree Examination – May 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. Discuss in detail life cycle of plasmodium and explain mechanism of action of chloroquine.
2. Classify anticancer agents with suitable examples and explain mechanism of any two classes.
3. Write in detail principles and applications of recombinant DNA technology.

### **SHORT ESSAYS (Answer any Six)**

**6 x 5 = 30 Marks**

4. Write a note on thrombolytics and anti platelet agents.
5. Enlist diuretics and explain the mechanism of action of osmotic diuretics.
6. Add a note on gene therapy.
7. Classify anti-leprotic agents and explain mechanism action of dapsone and its adverse effects.
8. Write the mechanism of action and adverse effects of streptomycin.
9. Write a note on DNA replication.
10. Write the mechanism of action and adverse effects of methotrexate.
11. Classify anti-TB drugs with examples. Explain the mechanism of action and adverse effects of INH.

### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

12. Mechanism of action of Penicillin.
13. Antimicrobial spectrum of tetracycline.
14. Mutation.
15. Mechanism of action of ciprofloxacin
16. Add a note on cell cycle regulators.
17. Name four antiviral agents.
18. Therapeutic uses and adverse effects of  $\beta$ -Lactam antibiotics.
19. Write a note on Metronidazole.
20. Third generation cephalosporins
21. Therapeutic uses of diuretics.

\*\*\*\*\*