

# Rajiv Gandhi University of Health Sciences, Karnataka

III Year Pharma-D Degree Examination – Mar 2013

**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. What is immunosuppressant? Classify them with suitable examples and write the pharmacology of any one immunosuppressant drug
2. Explain mechanism of action, antibacterial spectrum, adverse effects, contraindication and uses of tetracycline antibiotics
3. Explain in detail the process of DNA replication in prokaryotes and Eukaryotes

### SHORT ESSAYS

**6 x 5 = 30 Marks**

4. Explain the mechanism of action of penicillin antibiotics. Write its uses
5. Classify diuretics with suitable examples
6. Explain the adverse effects of anticancer drugs
7. Write the adverse effects and uses of Fluroquinolones
8. What is recombinant DNA technology? Explain its uses
9. Explain the principle involved in the gene therapy and give its uses
10. Write a note on large macromolecular assemblies of cell
11. Explain the principle involved in gene sequencing

### SHORT ANSWERS

**10 x 2 = 20 Marks**

12. Write a note on mutation
13. Classify antiviral agents
14. Name any four antimalarial drugs
15. Explain the mechanism of action of mebendazole
16. Enumerate restriction points in cell cycle
17. Name any four anti-coagulants
18. Explain the adverse effects of chloramphenicol
19. What are haemopoietic agents? Name any two such agents
20. Name any two plasma expanders and give their uses
21. Name any two ion channels and their ligands

\*\*\*\*\*