

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Pharm Degree Examination – DEC-2014

Time: Three Hours**Max. Marks: 70 Marks**

PHARMACOLOGY (Revised Scheme 3) **Q.P. CODE: 2615**

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAYS (Answer any Two)**2 x 10 = 20 Marks**

1. What are diuretics? Classify with examples. Describe pharmacology of loop diuretics
2. Classify adrenergic drugs. Give an account of mechanism, pharmacological actions, adverse effects and uses of adrenaline
3. Classify sedatives and hypnotics. Write the pharmacological actions, uses and toxicity of phenobarbitone

SHORT ESSAYS (Answer any Six)**6 x 5 = 30 Marks**

4. Write a note on G protein coupled receptors
5. Explain the different stages of general anesthesia
6. Mode of action, adverse effects and therapeutic uses of benzodiazepines
7. Explain the mechanism of action and toxicity of cardiac glycosides
8. Classify anti-psychotics with suitable examples. Mention therapeutic uses of phenothiazines
9. Drug therapy in parkinsonism and mode of action of Levodopa-carbidopa combination
10. Discuss the pharmacology of nitroglycerine
11. Write the classification, mechanism of action and therapeutic applications of NSAIDS

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

12. Mention drugs used in treatment of Myasthenia Gravis
13. What is therapeutic index? Give the significance
14. Mechanism of action and therapeutic uses of atorvastatin
15. Treatment for barbiturates poisoning
16. Mention the different phases of Clinical trials
17. What are MAO inhibitors? Mention their mode of action
18. Adverse effects and uses of vasopressin
19. Therapeutic applications of local anaesthetics
20. Enlist selective serotonin reuptake inhibitors (SSSRI)
21. Enlist phase-I reaction involved in drug metabolism
