

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Pharm Degree Examination – NOV 2016

Time: Three Hours

Max. Marks: 80 Marks

MEDICINAL CHEMISTRY - I (Revised Scheme - 2)

Q.P. CODE: 1961

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 Analgesics? Write in detail the SAR of Narcotic analgesics
2. What are Cholinergic agents? Write in detail about cholinesterase inhibitors. Add a note on cholinergic receptors
3. Define the term Antihistamines. Classify and give their SAR. Give the synthesis of any two H₁ antagonists

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Discuss conjugation reactions in drug metabolism
5. Give the synthesis and use of any two Beta – blockers
6. Write a note on Sympathomimetics
7. What are Prostaglandins? Give their Biological activities
8. Give the structure and uses of any four Non barbiturate sedative hypnotics
9. Give the mechanism of action and SAR of local anesthetics
10. List out important NSAIDS with examples. Give the synthesis of Ibuprofen
11. Mechanism of action and uses of benzodiazepines
12. Discuss SAR of Local anaesthetics. Give the synthesis of Benzocaine
13. Write short note on General anaesthetics

SHORT ANSWERS

10 x 2 = 20 Marks

14. Give the structure of any two inhalation anesthetics
15. Significance of cytochrome P-450 in drug metabolism
16. Structure and uses of any two anticonvulsants
17. Stereochemistry of ephedrine
18. Neuromuscular blocking agents
19. Therapeutic uses of cholinesterase inhibitors
20. Advantages of protein binding
21. Differences between Local and General anaesthetics
22. Name two Adrenergic receptors
23. Add a note on drugs used in spasticity
