

Rajiv Gandhi University of Health Sciences, Karnataka
IV Year B.Pharm Degree Examination - Sep 2012

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

MEDICINAL CHEMISTRY - II
(Revised Scheme – 3)

Q.P. CODE: 2619

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. Write in detail on Computer Aided Drug Design.
2. What are antiprotozoal agents? Give Synthesis, Mechanism of action and uses of Metronidazole and clioquinol.
3. What are antiarrhythmic drugs? Classify them with examples. Write structure and use of verapamil, Phenytoin and Propranolol.

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

4. Discuss miscellaneous antineoplastic agents.
5. Outline the synthesis and uses of Furosemide and Trimethoprim.
6. Write Chemistry and uses of chloramphenicol.
7. Write a note on Anti hyperlipidemic agents.
8. Write mechanism of action of Beta lactam antibiotics and write the structure of any two such drugs.
9. Write briefly on Synthetic anti fungal agents.
10. Comment on combination theory of trimethoprim and Sulfamethoxazole.
11. Give an account on SAR of Tetracyclines

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

12. Structure and uses of Quinidine.
13. Write the uses of Etoposide and clindamycin.
14. Synthesis of Cyclophosphamide.
15. Write briefly on Immunotherapy for anticancer activity.
16. Add a note on Quinolone Anti-bacterials
17. Structure and uses of Mebendazole.
18. Write brief note on Dihydrothiazines as antimalarials.
19. Structure and uses of Isosorbide nitrate.
20. Name and specific uses of any two antibiotics used as antitubercular agents.
21. Structure and uses of Triamterene.
