

www.FirstRanker.com

www.FirstRanker.com

tmp.doc

Rajiv Gandhi University of Health Sciences, Karnataka

Second year B.Pharm Degree Examination – August 2010

Time: Three Hours

3.

Max. Marks: 80 Marks

PHARMACEUTICAL ORGANIC CHEMISTRY - II (Revised Scheme - 2)

Q.P. CODE: 1960

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

LONG ESSAYS (Answer any Two)

- Explain the composition and properties of oils and fats. 1.
- 2. Give an account on the structures, synthetic methods, reactions and important medicinal compounds of Quinoline.
 - (a) What are essential amino acids? Name them.
 - (b) Write a note on stereochemistry of Biphenyl compounds?

SHORT ESSAYS (Answer any Eight)

- Give the classification of Heterocyclic compounds with examples 4.
- 5. Write a note on element of symmetry?
- Define acid value, Saponification value and Iodine value. How is Iodine value determined? 6.
- 7. Describe the various methods used to find N-terminal residue in protein or polypeptides.
- 8. Write the chemical structure and medicinal uses for the following (i) Morphine (ii) INH (iii) Metronidazole (iv) Menadione (v) Propranolol.
- Give an account on the aromaticity and basicity of pyridine. 9.
- What are R and S configurations? Explain with examples. 10.
- 11. Outline the preparation and chemical reactions of Naphthalene.
- 12. Give the chemical name, structure and medicinal uses of the following compounds: (i) Piperazine (ii) Diazepam (iii) Sulphadiazine (iv) Benzodiazepine (v) Nicotinic acid.
- 13. Define and classify carbohydrates by giving suitable examples.

SHORT ANSWERS

- 14. What are epimers? Give example.
- 15. Define recemic modification.
- What is Walden inversion? 16.
- 17. What is conformational analysis?
- 18. Give acridine synthesis.
- 19. Distinguish between reducing sugars and Non-reducing sugars.
- 20. What are amino acids? Write any one method of preparation of Amino acids.
- 21. Define the following terms: (a) Chirality (b) Meso compounds.
- Define Enantiomer. Give two examples. 22.
- 23. How is glucose converted into fructose?

www.FirstRanker.com

10 x 2 = 20 Marks

2 x 10 = 20 Marks

8 x 5 = 40 Marks