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(LE 4252)

FEBRUARY 2014

Sub Code: 4252

FIRST YEAR B.PHARM. EXAM

Paper II – PHARMACEUTICAL ORGANIC CHEMISTRY

Q.P. Code: 564252

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. a. Write down the general methods of preparation of alkyl and aryl halides
b. Explain the methods of preparation and synthetic utility of aceto-acetic ester
2. a. Write in detail about resonance effect and intramolecular forces in organic compounds.
b. Explain in detail about ozonolysis and Baeyer's strain theory.

II. Write Notes on:

(8 x 5 =40)

1. Describe the Methods of preparation of alkane
2. Describe the Mechanism of Diel's-Alder Reaction
3. Give the preparation and medicinal uses of amphetamine
4. What are Grignard reagent and give synthetic utility
5. Explain about Williamson ether synthesis and Reimer-Tiemann reaction
6. Explain about Markownikoff's rule with example
7. Discuss the Basicity of amines
8. Discuss about nucleophilic aromatic substitution reaction with examples

III. Short Answers on:

(10 x 2 =20)

1. Dicyclopentadiene
2. Carbenes
3. Ketones
4. Anthracene
5. Hyperconjugation
6. Wave equations
7. Diphenyl methane
8. Citric acid
9. Iodoform
10. Inductive effect



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