



[KZ 4252]

Sub. Code : 4252

FIRST B.PHARM. EXAMINATION

Paper II – PHARMACEUTICAL ORGANIC CHEMISTRY

Q.P. Code : 564252

Time : Three hours

Maximum: 100 Marks

Answer ALL questions.

I. LONG ESSAYS

(2 x 20 = 40)

1. Give the preparation and reactions of Alkenes.
2. Explain the mechanism involved in Nucleophilic aromatic substitution reaction.

II. SHORT NOTES

(8 x 5 = 40)

1. Explain the Bayers strain theory.
2. Write the preparation of alkyl halides.
3. Write short notes on Markownikoff's rule.
4. What is diel's alder reaction?
5. Explain the Huckel's rule.
6. Give a note on carbocations.
7. How to differentiate primary, secondary and tertiary alcohols.
8. Write the preparation and the synthetic utility of Grignard reagent.

III. SHORT ANSWERS

(10 x 2 = 20)

1. Define dipole moment and resonance.
2. Give the medicinal uses of (a) Methyl salicylate (b) acetanilide.
3. Write any two addition reaction of conjugated dienes.
4. What are nucleophiles and electrophiles?
5. What is energy of activation?
6. Write the ozonolysis reaction.
7. Write the two steps of SN_1 mechanism.
8. What is sand Meyer Reaction?
9. What are epoxides?
10. How to prepare diazonium salts?
