

(LH 4252)

AUGUST 2015

Sub Code: 4252

**B.PHARM. EXAMINATION
FIRST YEAR
PAPER II – PHARMACEUTICAL ORGANIC CHEMISTRY**

Q.P. Code: 564252

Time: Three hours

Maximum: 100 marks

I. Essays:

(2 x 20 = 40)

1. Preparation and reactions of alkenes.
2. Explain the mechanism, reactivity and orientation of E1 & E2 reaction.

II. Short notes:

(8 x 5 = 40)

1. Describe Coulson and Moffitt's modification.
2. Mention the methods of preparation and reactions of Ketones.
3. Give the preparation, properties of Diphenyl methane.
4. Write the preparation, tests for purity and medicinal uses of Dicophane and Gammaxene.
5. Explain the Aromaticity character of Benzene.
6. Write the preparation and synthetic utility of Aceto -Acetic ester.
7. Write the preparation and properties of Anthracene.
8. Explain the mechanism of Diel's - Alder reaction.

III. Short answers:

(10 x 2 = 20)

1. Define Dipole moment.
2. Write about Huckel's rule.
3. Define Mesomeric effect.
4. Give the structural formula of Beat-naphthol and Cyclohexane.
5. Give the test for purity of Amphetamine.
6. Brief about oxidation of primary alcohols.
7. Define Tautomerism.
8. Write any one preparation of Benzene.
9. Write the stability of carbocations.
10. Enumerate the functional derivatives of carboxylic acid.
