



(LI 4252)

**FEBRUARY 2016**

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. Explain the mechanism, reactivity and orientation of SN2 and SN1 reaction.
2. Write the preparation and synthetic utility of (a) Malonic ester (b) Grignard reagent (c) Acetoacetic ester

**II. Short notes:****(8 x 5 = 40)**

1. Describe Markownikoff's rule & peroxide effect.
2. Mention the methods of preparation and reactions of Carboxylic acids.
3. Write the preparation, tests for purity of Citric acid
4. Give the preparation and properties of Triphenyl methane.
5. Describe Huckel's rule.
6. Explain Electromeric effect.
7. Write the preparation and synthetic utility of Diazonium salts.
8. Describe Hyper Conjugation.

**III. Short answers:****(10 x 2 = 20)**

1. Define Resonance.
2. Write about Peroxide effect.
3. Give the Structural formula of Acetanilide and Urethane.
4. Mention the generation of Carbenes.
5. Write the properties of Poly Aromatic compounds.
6. Write the structure and Uses of Glycol.
7. Brief about Oxidation of Tertiary alcohols.
8. Mention the types of Bond
9. Brief about Polarity of bond
10. Mention the Medicinal uses of Iodoform and Lactic acid

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