

**I B.Pharmacy II Semester Supple. Examinations, April/May 2017
PHARM ORGANIC CHEMISTRY -II**

Time: 3 hours

Max Marks: 75

**Answer any FIVE Questions
All Questions carry equal marks**

1. Write detail note on General methods of synthesis of alcohols. [15]
2. (a) Write short notes on iodoform reaction of ethanol.
(b) .Give the structure of following compounds. (i) 3-buten-2-ol. (ii) 2-bromo pentanol-3 (iii) 2,4,6-trinitro phenol. (iv) 2-methoxy hexane. [7+8]
3. (a) Explain the claisen rearrangement for the preparation of phenols.
(b) Write a short note on stability of phenoxide ion. [8+7]
4. Give the mechanism of the following with reaction. (a) Reformatsky reaction
(b) Benzoin condensation
(c) Oppenauer oxidation. [5+5+5]
5. (a) Discuss the Nucleophilic addition reactions of Carbonyl components using ammonia and its derivatives.
(b) Distinguishing aldehydes from ketones. [12+3]
6. (a) Discuss the various functional group reactions of carboxylic acids.
(b) Write a note on dicarboxylic acids. [8+7]
7. (a) Write the different rules applied in naming of amines. Classify amines with examples.
(b) Discuss the various reactions of aliphatic amines. [8+7]
8. (a) What are alkyl cyanides. Write any two important methods of preparation of alkyl cyanides.
(b) Explain of reactivity of alkyl cyanides. Discuss the various functional reactions of alkyl cyanides. [8+7]
