

I B.Pharmacy II Semester Regular Examinations, Oct/Nov 2013
PHARM ORGANIC CHEMISTRY -II

Time: 3 hours

Max Marks: 75

Answer any FIVE Questions
All Questions carry equal marks

1. (a) Describe oxidation and dehydration of alcohols
(b) Distinguish test for 1°, 2°, and 3° alcohols. [8+7]
2. Compare the resemblance and difference properties of phenols with those of alcohols. [15]
3. (a) Explain the claisen rearrangement for the preparation of phenols.
(b) Write a short note on stability of phenoxide ion. [8+7]
4. Write the important methods of preparation of aldehydes and ketones. [15]
5. (a) Write the reduction reactions of acetaldehyde.
(b) Write the mechanism of the following
(i) Clemmensen reduction with suitable examples.
(ii) Wittig reactions. [5+10]
6. (a) Write the hydrolysis, reduction reactions of esters.
(b) Write an account of malonic and acetoacetic esters, their importance in synthesis. [8+7]
7. (a) Discuss the basicity of amines. Explain why aliphatic-amines are stronger bases than ammonia.
(b) Discuss the Hinsberg method of separation of mixture of amines. [8+7]
8. (a) Define Isonitriles. Write any two important methods of preparation of Isonitriles.
(b) Distinguish Nitriles from Isonitriles. Discuss the various functional reactions of Isonitriles. [8+7]
