

First Year B.Pharm Degree Supplementary Examinations, February 2016

PHARMACEUTICAL CHEMISTRY - II
(Organic Chemistry)

(2012 - Scheme)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Explain with mechanism Hofmann's degradation and benzoin condensation.
2. Discuss with examples the acidity of phenols and basicity of amines.
3. Explain the effects of substituents on electrophilic aromatic substitution with examples.

Short notes (14x5=70)

4. The mechanism in chlorination of methane.
5. Sachse-Mohr theory of strainless rings.
6. 1,4 addition reaction and stability of alkadienes.
7. Reimer Tiemann reaction with example.
8. Explain oppenauer oxidation with suitable example.
9. General methods of preparing phenols.
10. Mechanism of Reformatsky reaction.
11. Di carboxylic acids.
12. Huckel's rule and its importance.
13. Ziesel method.
14. Method of preparation of aldehydes and ketones.
15. Explain keto-enol tautomerism.
16. Explain electromeric and mesomeric effect with example.
17. Relative reactivities of primary, secondary and tertiary alcohols.
