First Year B.Pharm Degree Examinations - August 2014

(2012 - Scheme)

PHARMACEUTICAL CHEMISTRY - II

(Organic Chemistry)

Time: 3 Hours

- Answer all Questions.
- Write equations wherever necessary.

Essay

- 1. Define and mention the mechanism of Markonikovs & Antimarkonikovs addition.
- 2. Explain the effects of substituents on electrophilic aromatic substitution with examples.
- 3. "Discuss the mechanism involved in Perkins reaction and Cannizzaro reaction

Short notes

- 4. Explain Bayer's theory and its limitations.
- 5. Discuss the mechanism involved in chlorination of methane.
- 6. Saytzeff's rule.
- 7. Explain the 1, 4 addition reaction and stability of alkadienes.
- 8. Explain the acidity of phenols.
- 9. Mention the example and mechanism of Fries rearrangement.
- 10. What is Oppenauer oxidation with suitable example.
- 11. Explain the acidity of carboxylic acids and stability of carboxylate ions.
- 12.Two methods for the synthesis of aldehydes and explain its reactivity
- 13. Mechanism of Reformatsky reaction.
- 14. Explain diazotisation and reaction of diazonium salts.
- 15. Malonic and acetoacetic esters and its importance in synthesis
- 16. Discuss the mechanism of $SN_2\,and\,SN_1$ reactions.
- 17. Explain SP³ And SP² hybridisation.

QP CODE:112006 (New Scheme)

(14x5=70)

(3x10=30)

Reg.No:

Total Marks: 100
