

# **2010 Scheme**

**QP CODE: 102006 (OLD SCHEME)**

**Reg. No: .....**

## **First Year B.Pharm Degree Supplementary Examinations November 2019**

### **Pharmaceutical Chemistry - II (Organic Chemistry)**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Write equations wherever necessary.

#### **Essay**

**(3x10=30)**

1. Classify isomerism and give a detailed note on conformational isomerism.
2. Discuss on Bayer's strain theory and Bayer's oxidation.
3. Describe the theory of reactivity and orientation in mono substituted benzenes.

#### **Short notes**

**(14x5=70)**

4. The ring stabilities of cyclohexane.
5. The Hinsberg method of separation.
6. Illustrate with examples on the nomenclature of ethers and phenols.
7. Discuss briefly Benzoin condensation and Reformatsky reaction.
8. Explain free radical substitution reactions of alkanes.
9. Write the mechanism of Reimer Tiemann reaction.
10. The relative reactivity of carbonyl compounds.
11. Report on Sachse-Mohr theory with suitable examples.
12. Describe on Dicarboxylic acids.
13. Classify alcohols. Give a brief note on hydrogen bonding.
14. Explain hyper conjugation with examples.
15. Explain Friedal Craft's acylation reaction.
16. Write on the formation of metal acetylides.
17. The stability of conjugated dienes.

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