

2012 Scheme

QP CODE: 112006

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. Discuss nucleophilic substitution reactions of Alkyl halides with mechanism.
2. Explain the theory of reactivity and orientation of Monosubstituted Benzenes with suitable examples.
3. Elaborate the synthetic utility of malonic and aceto-acetic esters

Short notes

(14x5=70)

4. The most stable conformation of Cyclohexane is the chair form. Justify
5. Summarize briefly 1,4 Addition reactions of conjugated alkadienes.
6. Any three general methods of preparation of alcohols.
7. Explain electromeric and mesomeric effects.
8. Write any two preparation and reactions of carboxylic acids.
9. Explain the acidity of 1-alkynes.
10. Mention nucleophilic addition reactions of Aldehydes
11. Give any two reactions of aromatic nitro compounds with examples
12. Outline ring substitution reactions of phenols
13. Mention any two methods of preparation of Carbonyl compounds
14. How to differentiate primary, secondary and tertiary amines.
15. Explain Hofmann's degradation reaction of amides with mechanism.
16. Explain Diazotization reactions and its mechanisms.
17. Construct the structure for following:
 - 4-Chloro-2-hexene • 1-Bromohept-4-en-3-one • Pent-4-enamide
 - 2-methyl -4oxopentanoic acid • 1-(2-nitrophenyl)-propan-2-one".
