

[LH 804]

OCTOBER 2015

Sub. Code: 3804

PHARM. D DEGREE EXAMINATION
(2009-2010 Regulation)
FIRST YEAR
PAPER IV – PHARMACEUTICAL ORGANIC CHEMISTRY

Q.P. Code: 383804

Time : Three hours

Maximum : 70 marks

I. Elaborate on :

(4 x 10 = 40)

1. Write the electrophilic addition reactions of alkenes.
2. Explain the reactivity and orientation in Electrophilic aromatic substitution with activating and deactivating O, P, and M directing groups.
3. Give the mechanism involved in Aldol condensation and Hoffmann rearrangement.
4. Explain SN^1 reaction with reference to mechanism, kinetics and stereochemistry.

II. Write notes on :

(6 x 5 = 30)

1. Protic and Aprotic solvents.
2. Phase transfer catalysis.
3. 1, 2 elimination reactions.
4. Allylic rearrangement.
5. Write the preparation and medicinal uses of a) Sodium lauryl sulphate b) Methyl salicylate.
6. E2 vs. E1.
