

[LD 344]

OCTOBER 2013
M.PHARM. DEGREE EXAMS
FIRST YEAR

Sub. Code: 2905

BRANCH II – PHARMACEUTICAL CHEMISTRY
PAPER II – ADVANCED ORGANIC CHEMISTRY

Q.P. Code : 262905

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=40)

1. a) Explain in detail the mechanism of Reformatsky reaction
- b) Describe the importance of Chiral drugs giving examples.
2. a) Classify heterocyclic compounds giving examples. Write the preparations, properties of a fused ring structure containing a hetero atom.
- b) Describe the methods for the Deprotection of carboxyl groups.

II. Write notes on :

(10x6=60)

1. Carbenes
2. Mechanism of Michal Reaction.
3. Nanochemistry
4. Carbon to Nitrogen multiple bond
5. Catalysts used in reduction reaction.
6. Protection of amino groups and carboxyl groups.
7. Free radical mechanism
8. Delocalisation
9. Theory of Acid and bases.
10. Retrosynthetic analysis.
