QP CODE:211006 (NEW SCHEME)

Second Year B.Pharm Degree Supplementary Examinations - March 2015

(2012 Scheme)

PHARMACEUTICAL CHEMISTRY III (Advanced Organic Chemistry)

Time: 3 Hours

- Answer all Questions.
- Write equations wherever necessary.

Essay

- 1. Explain the mechanism of E1 and E2 reactions with valid examples.
- 2. Discuss on the mechanism and applications of Beckmann and Hoffmann rearrangement.
- 3. Explain the preparation and two important reactions of acridine, pyridazine, pyrazine and azepine.

Short notes

- 4. Aromaticity of naphthalene and naphthacene.
- 5. Preparation and reactions of isoquinoline and oxepine.
- 6. Michael addition reaction.
- 7. Stereochemistry of nitrogen compounds- explain.
- 8. Structure and aromatic character of any two poly nuclear hydrocarbons.
- 9. Mechanism of catalytic hydrogenation.
- 10. How do you determine configuration under geometrical isomerism.
- 11. Clemmenson's reduction.
- 12. Stereochemistry of oximes.
- 13. Properties of guinazoline and diazepine.
- 14. Stereochemistry of biphenyl.
- 15. How is oxidation with selenium oxide performed and where is it applied.
- 16. Oxazole and isoxazole.
- 17. What do you mean by resolution of recemic modification. Explain.

(14x5=70)

Reg.No:

(3x10=30)

Total Marks: 100