

QP CODE: 212331

Reg. No:.....

Second Semester M.Pharm Degree Examinations August 2018

M.Pharm (Pharmaceutical Chemistry)

Paper II - Advanced Organic Chemistry-II (MPC 202T)

(2017 Scheme)

Time: 3 Hours

Total Marks: 75

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Explain the principle and process optimization in microwave assisted organic synthesis
2. Explain principles of solid phase peptide synthesis of peptides using Fmoc and BOC chemistry
3. Explain stereo selective synthesis with suitable examples.

Short Notes

(9x5=45)

4. Sonochemical reactions
5. Basic principles of photochemical reactions
6. Sigma trophic rearrangement reaction with examples
7. Phase transfer catalyst
8. Examples of heterogeneous catalysis in synthesis of drugs
9. Wilkinson catalyst.
10. What is site specific chemical modification of peptides
11. Cahn-Ingold-Prelog sequence rule of R/S nomenclature
12. Axes of symmetry
