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Total No. of Pages : 01

Total No. of Questions : 06

M.Pharma(Pharmaceutical Chemistry) (2017 & Onwards) (Sem.-2)

ADVANCED ORGANIC CHEMISTRY-II

Subject Code : MPC-202T

M.Code : 74956

Time : 3 Hrs.

Max. Marks: 75

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of SIX questions.
2. Each question carries FIFTEEN marks.

1. Explain in brief (Any Three) :

- a. Principle of solid phase peptide synthesis 5
- b. Define and give example of Heterogenous catalysis. 5
- c. Biocatalysis 5
- d. Differentiate between D and L with suitable example 5
- e. What do you mean by pericyclic reactions 5

2. a. What do you mean by microwave assisted reactions. Enlist and explain factors affecting the rate. 10

- b. Short note on Sonochemical reactions. 5

3. Give the principle of photochemical reactions. Elaborate and support with relevant example different type of photochemical reactions. 15

4. Define, method of measurement and units of optical activity. Discuss its relevance. Comment on catalytic asymmetric synthesis. 7.5 × 2

5. Explain in detail the theory and application of Phase transfer catalysis and Wilkinson Catalysis 10+5

6. Explain the following :

- a. Various solid supports and linkers in solid phase peptide synthesis. 5
- b. Coupling reactions in peptide synthesis 5
- c. Possible side reactions in peptide synthesis Discuss 5

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

