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**School of Medical and Allied Sciences**

Master of Pharmacy in Pharmaceutics

Mid Term Examination - May 2024

Duration : 90 Minutes

Max Marks : 30

**Sem II - MPC202T - Advanced Organic Chemistry-II**General Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Define Green Chemistry. K1 (2)
  - 2) Outline the use of sonochemical reactions. K2 (2)
  - 3) Illustrate the term sonochemical reaction. K2 (2)
  - 4) List any four principle of green chemistry. K1 (2)
  - 5) Show the structure of any two coupling reagent. K2 (2)
  - 6) Develop the synthesis of any two heterocycles with assistance of microwaves. K3 (5)
  
  - 7) Distinguish between microwave and conventional synthesis. K4 (5)
- OR**
- Examine site specific chemical modification of peptide. K4 (5)
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- 8) Determine the principle behind the microwave synthesis? Give the merits and demerits of microwave synthesis. K5 (10)
- OR**
- Determine the applications of microwave technology in organic reactions. K5 (10)