

Roll No.

Total No. of Pages : 01

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M.Pharma(Pharmaceutical Chemistry) (Sem.-2)
PHARMACEUTICAL PROCESS CHEMISTRY

Subject Code : MPC-204

M.Code : 74958

Date of Examination : 12-07-22

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. Classify halogenation reactions. Explain in detail the kinetics of halogenation reaction. Give any one case study of industrial halogenation process.
2. Discuss in detail :
 - a) Scale-up process of APIs with a suitable example
 - b) Large scale process.
3.
 - a) Comment upon various methods of extraction.
 - b) What are polymorphs? Write down general methods used to prepare polymorphs.
 - c) Write down the various factors affecting evaporation process.
4. Comment upon :
 - a) Non metallic oxidizing agents.
 - b) Industrial reduction process.
5. Write short notes on :
 - a) MSDS
 - b) Effluents and its management.
6.
 - a) Discuss the process of fermentation in production of antibiotics by taking the example of streptomycin.
 - b) What is the importance of reagent selection in reaction progress? Discuss various families of reagents useful for scale up.

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.