M.Sc. (Industrial Chemistry) Examination Machaela Semester-I

Paper-IC-1: Unit operations & Unit processes – I Subject Code: 2740

1 1me:2.	30 Hours Max	imum Marks: 70
Que1	What is crystallization? Described the method of super saturation. Write a short note on agitated tank crystallizer with neat sketch.	(14)
	OR	
Que1	Discuss packed column and spray column absorber with neat sketch.	(14)
Que2	Introduced mixing as unit operation. Which kinds of impellers are used in mixing operation?	(14)
	OR	
Que2	Why size reduction is important in any industry? Sketch gyrotary crusher with its construction and working.	(14)
Que3	aniline with flow sheet diagram.	(14)
	OR	
Que3	What are sulphonating agents? Describe production of ethanol from ethylene process.	(14)
Que4	, ,	(14)
Que4	Give thermodynamic and kinetics of halogenations reaction. Explain industrial production of chlorobenzene.	(14)
Que5	What is hydrolysis and hydrolyzing agent? Give industrial production of methanol with flow sheet diagram. OR	(14)
Que5	Classify alkylation with example. Give industrial production of	(14)