

- Que.-1 What is crystallization? Explain construction and working of draft tube crystallizer with neat sketch.(14)
OR
- Que.-1 State and explain selection criteria for solvent in gas absorption. Give detailed account on spray column absorption.(14)
- Que.-2 What do you mean by mixing? Discuss Muller mill and Tumbling mixture with its industrial application.(14)
OR
- Que.-2 What is size reduction? Describe any two equipments used in size reduction.(14)
- Que.-3 What is amination? Explain it with example. Give production of N-methyl aniline with flow sheet diagram.(14)
OR
- Que.-3 What is sulphonation? Explain it with chemical reaction. Give industrial production of benzene Sulphonic acid with flow sheet diagram.(14)
- Que.-4 Introduced hydrogenation with its chemical kinetics. Write industrial production of CH₃OH.(14)
OR
- Que.-4 Define chlorination with example. Discuss industrial production of D.D.T. with flow sheet diagram.(14)
- Que.-5 Define hydrolysis with example. Give industrial production of glycerol with neat sketch.(14)
OR
- Que.-5 With chemical reaction and industrial application explain manufacture of mono chloro acetic acid.(14)