

Time: 2.30 Hours

Total Marks: 70

Que.-1 Explain principle of filtration. Give detail account on filter aid and filter medium. ....[14]

OR

Que.-1 Define drying. Explain construction and working of spray dryer and drum dryer with neat sketch. ....[14]

Que.-2 Define the term distillation. Explain simple batch distillation and fractionating column distillation with sketch. ....[14]

OR

Que.-2 Write on RDC and rotary dryer. ....[14]

Que.-3 Give industrial production of TNT & HCHO. ....[14]

OR

Que.-3 What is extraction? Explain with example. Write a note on Spray column. ....[14]

Que.-4 Give industrial production of picric acid and vinyl acetate. ....[14]

OR

Que.-4 Discuss esterification of organic acid. Give mechanism and kinetics of esterification. ....[14]

Que.-5 Discuss the separation of solid-solid by screening with different screen. Explain gyrating screen with its construction and working. ....[14]

OR

Que.-5 Explain auger conveyer and positive pressure pneumatic pressure system with neat sketch for handling of solid. ....[14]