

ME.FT 2nd year (Analytical techniques)

MST 2

Max. marks 35

Time 1h

- Q1. 1. What is Chelate effect. Discuss the factors causing this effect (6)
2. Give an expression of α , for EDTA titration. Using this expression discuss the role of pH. (3+4)
3. Define, giving an example, conditional formation constant. (5)
4. With an example, define (a) auxiliary complexing agent (b) masking agent (4+4)
- Q2. 1. Give an expression of D, Distribution ratio. Using this expression discuss the effect of pH in solvent extraction. (3+4)
2. Define Retardation factor. (2)