

Important Theory Topics:

Chapter 1:

1. Ideal & practical voltage sources(3 marks)
2. Ideal & Practical Current Sources(2.5 marks)
3. Method for converting practical current source in to practical voltage source(3 marks)

Chapter 3:

1. Explain Nodal Analysis
2. Explain Delta-Star transformation with equation(3 marks)
3. Explain Star-Delta transformation with equation(3 marks)
4. Explain Superposition Theorem with example(5 marks)
5. Explain Norton's Theorem with example(5 marks)
6. Maximum Power Transfer Theorem(5 marks)
7. Define Reciprocity Theorem(2 marks)

Chapter 4:

1. Define & Explain Capacitance
2. Capacitance in Series

Chapter 6:

1. AC through pure inductor
2. AC through pure capacitor
3. Define power factor
4. Power factor & its correction
5. Disadvantage of low power factor

Chapter 7:

1. Define phase sequence/phase order
2. Advantage of three phase system over single phase system
3. Power measurement in 3 phase system by two wattmeter method
4. Effect of power factor on wattmeter reading