

**Unit-I****Chapter 1 : AC Fundamentals 1-1 to 1-30**

Syllabus : Generation of alternating voltage, Phasor representation of sinusoidal quantities, R, L, C circuit elements, its voltage and current response.

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Unit-II

Chapter 3 : Single Phase AC Parallel Circuits

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Chapter 4 : Three Phase Circuits 4-1 to 4-32

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Unit-V

Chapter 6 : Network Theorems 6-1 to 6-62

Syllabus : Superposition theorem, Thevenin's theorem, Norton's theorem, Maximum power transfer theorem, Reciprocity theorem, Duality in electric circuits.

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