

Unit I: Assessment Question Bank

Lecture - 35

1. An 4kW inductive load connected across 200V, 50 Hz supply is operating at 0.8 Lagging powerfactor.
 - i) Determine active, reactive and apparent powers supplied by the source.
 - ii) What must be the capacitance of the Capacitor that must be connected in parallel with the load to raise overall powerfactor to Unity.