

Unit III : Assessment: Assignments

Assignment – Lecture 44

1.

A balanced three-phase star-connected load of $(8 + j6) \Omega$ per phase is supplied by a 400 V, 50 Hz supply. Calculate the line current, power factor, active, and reactive power.

[ANS: IL= 23.09A, CosØ=0.8 Lag, P=12.79KW,Q=9.59 KVAR]

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