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**Unit I: Assessment: Assignments**

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**Assignment – Lecture 24**

1. A series RL circuit is connected to a sinusoidal voltage source  $v(t) = 100\sin(\omega t)$  V. It draws a current of  $10\sin(\omega t - 60^\circ)$  A.

Determine

- i) Active, Reactive and Apparent Powers.
- ii) Power factor of the circuit.

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