

Unit I: Assessment: Assignments**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.