

## Unit I: Assessment: Assignments

### Assignment – Lecture 25

1. Find the instantaneous expression for the current when a voltage represented by  $v(t) = 283\sin 100\pi t$  Volts is applied to a coil having  $R = 50\Omega$  and  $L = 0.159H$ .

Also find active, reactive and apparent powers in the network by using power triangle concept.

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