

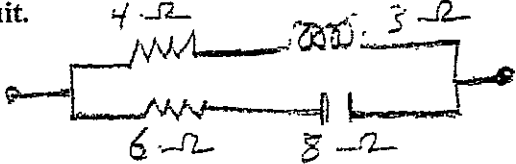


Subject & code No: Alternating current

Date of Exam: 14/1/2019

Time allowed: 2 h

Answer the following questions:

1-	A	Describe the growth of current in an series R-L circuit
	B	Explain the oscillation of the charge and current for an L-C circuit
2-	A	Deduce the average power when the phase angle is not Zero.
	B	Explain the low pass filter.
3-	A	Derive the total impedance of an series R-L-C circuit.
	B	By using the complex method, calculate the total impedance of a given circuit. 
4-	A	Explain the R-L-C series tuned circuit.
	B	Write about the rectification process A.C signal.

Good luck

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