Department of Electrical Engineering

Assignment 3

Date: 25/06/2020

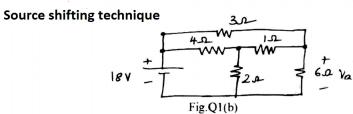
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Course Title:	Module:	Module:	
Instructor:	Total Marks:		

Student Details

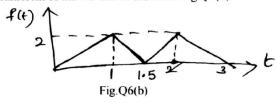
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- Q1 a. Derive the expression for: (i) Δ to Y transformation (ii) Y to Δ transformation
 - b. Calculate the voltage across the 6Ω resistor in the network of Fig.Q1(b) using

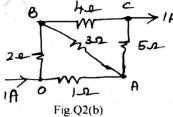


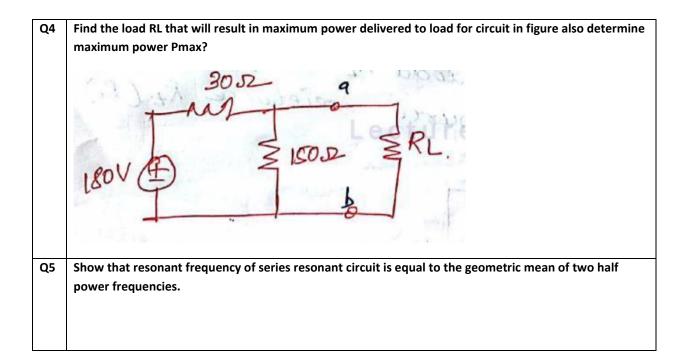
- Q2 Obtain Laplace transform of:
 - (i) Step function
 - (ii) Ramp function
 - (iii) Impulse function

Find the Laplace transform of the waveform shown in Fig.Q6(b).



Q3 Find currents in all the branches of the network snown in Fig.Q2(b) using mesh analysis.





GOOD LUCK