

**LAHORE UNIVERSITY OF MANAGEMENT SCIENCES**  
Department of Electrical Engineering

**EE240 Circuits I**  
Quiz 04 - Section 2

Name: SOLUTION

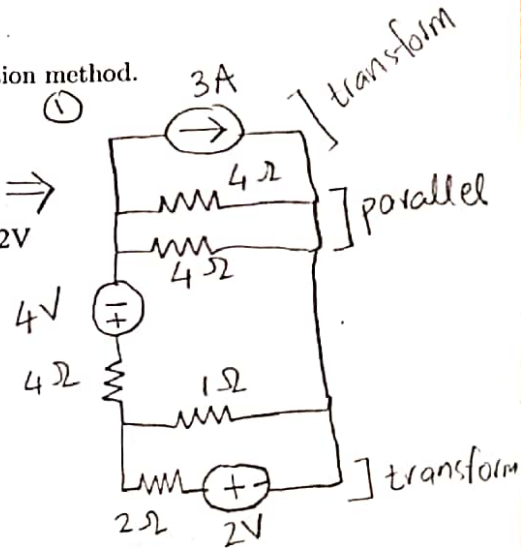
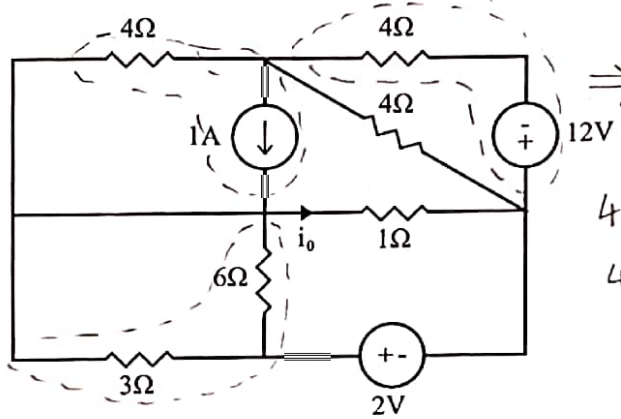
Campus ID: \_\_\_\_\_

Total Marks: 10

Time Duration: 20 minutes

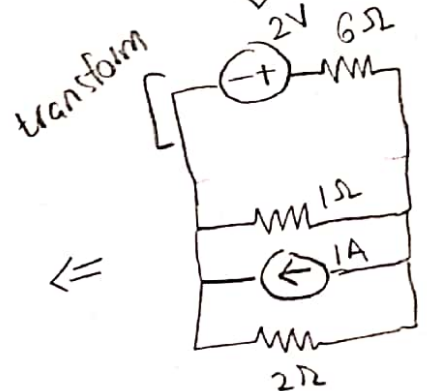
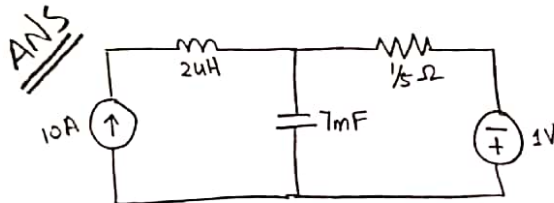
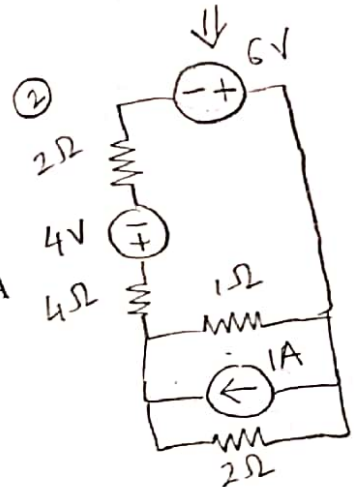
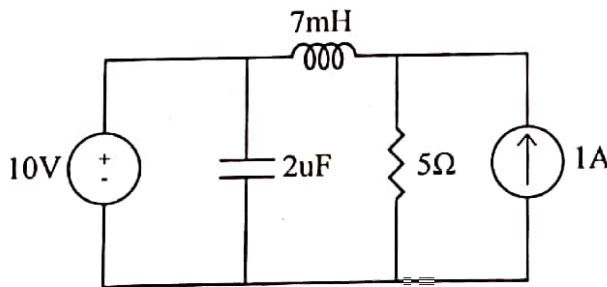
**Question 1 (5 marks)**

For the circuit given below, determine  $i_o$  using the source transformation method.



**Question 2 (5 marks)**

Draw the dual of the circuit shown below.



ANS

$i_o = 0.4A$

$i_o = \frac{1}{2.5} \uparrow$

ANS

