



# COLLEGE OF ENGINEERING & TECHNOLOGY

Department : Electrical & Control Engineering.

Lecturer : Staff.

Course : Electrical Engineering Fundamentals.

Course Code : EE - 239 T

Marks : 40

Date : 25 / 5 / 2015 14<sup>00</sup> - 16<sup>00</sup>

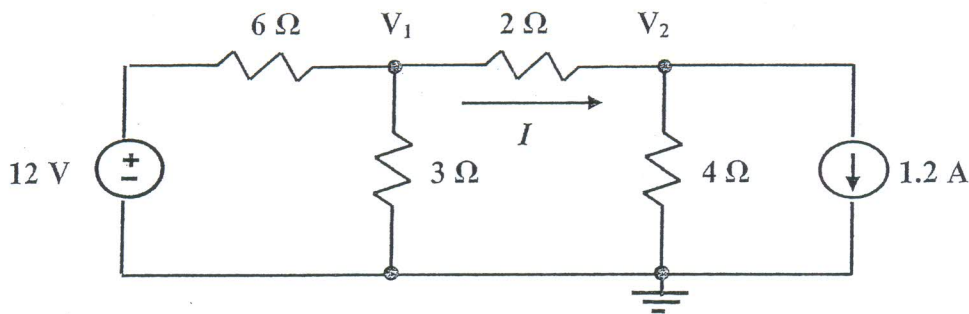
Time : 2 hour

## Final Exam.

### Answer all the following questions

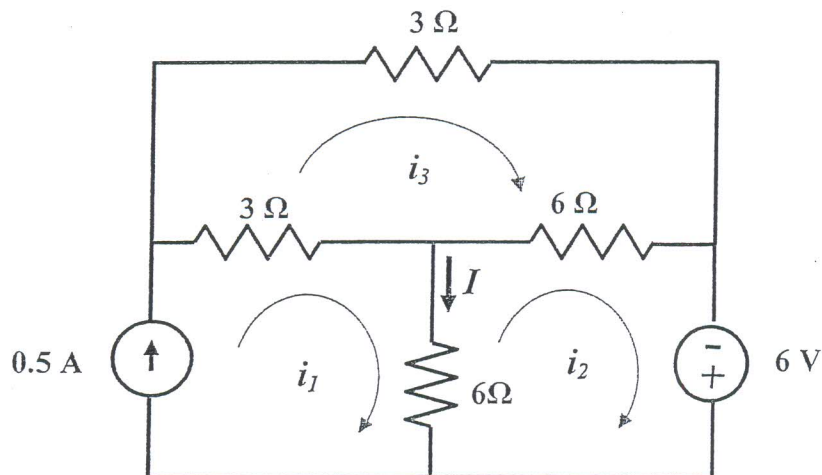
1 - Using the node voltage method to find the current  $I$  in the circuit shown.

(8 Marks)



2- Using the mesh current method to find the current  $I$  in the circuit shown .

(8 Marks)



Members of course Examination Committee:		Signature:	Date:
Lecturer	: Dr. Abd El Aal Asran	<i>[Signature]</i>	10/5/20115
Course Coordinator	: Prof. Samah El Safty	<i>[Signature]</i>	10/5/20115
Head of Department	: Prof. Hamdy Ashour	<i>[Signature]</i>	10/5/20115