Jordan University
Faculty of Engineering and Technology
Electrical Engineering Department
Spring 2005

EE203	First Exam	Time: 60 minutes

Q1- Calculate the current passing through R=5 Ω Using Thevenin's Theorm. (30 Marks)

Q2-Calculate the Voltage across R=15 Ω Using Superposition Principle. (30 Marks)

Q3-Using Nodal analysis technique to find the Voltage across R=22.5 Ω (30 Marks)

Q4- Find the Equivalent Resistance between the two Terminals (a,b) (10 Marks)
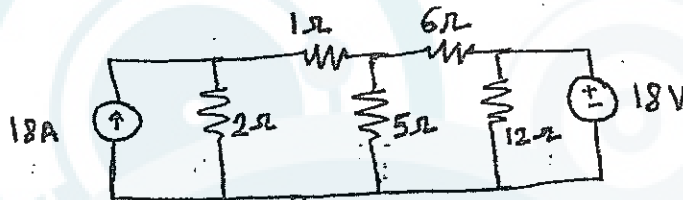
Jordan University
Faculty of Engineering and Technology
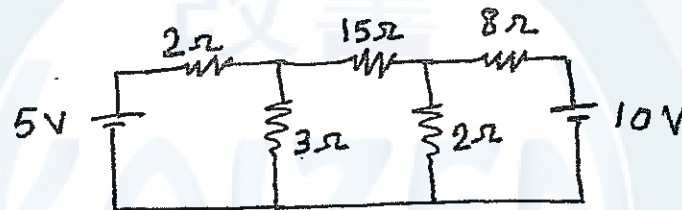Electrical Engineering Department
Spring 2005
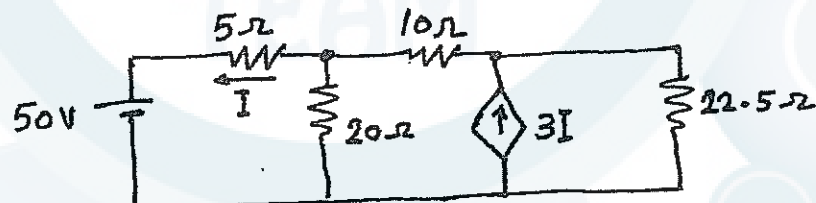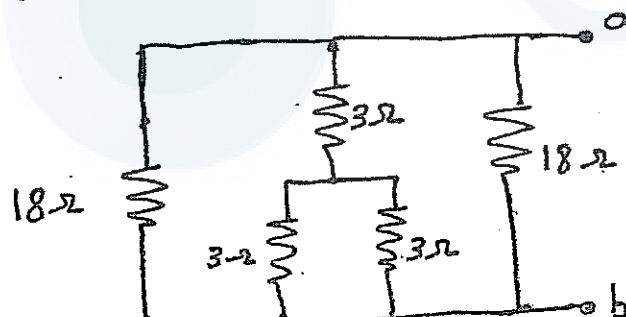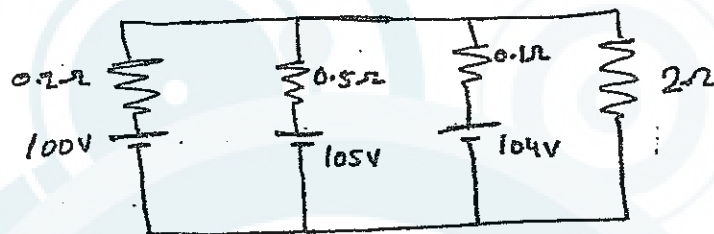
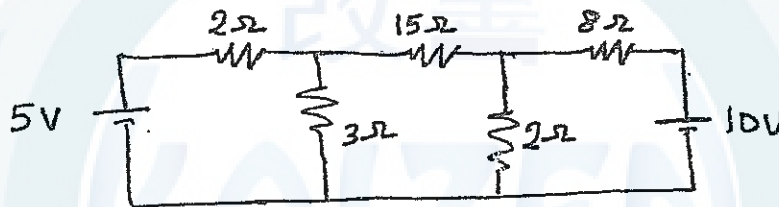EE20   First Exam   Time: 60 minutes

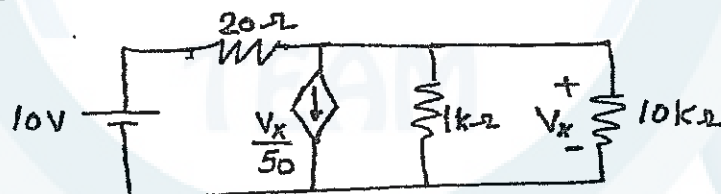**Q1- Calculate the current passing through R=2 Ω Using Sources Transformation Technique.** (25 Marks)

Q2-Calculate the Voltage across R=3 Ω Using Superposition Principle. (25 Marks)

Q3-Using Nodal analysis technique to find the Voltage across R=10 k Ω (25 Marks)

Q4-The voltage across and the current through a capacitor are shown in the following figure; determine the value of the capacitor. (25 Marks)