



# VIT<sup>®</sup>

## Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

A1+TA1

### SCHOOL OF ELECTRICAL ENGINEERING

#### Continuous Assessment Test- 1

Fall Semester :: 2022-23

Class Nbrs. : VL2022230105269/5272/5276/7327

Date of Exam : 06/11/2022

Course Title : Basic Electrical and Electronics Engineering

Course Code : BEEE 102L

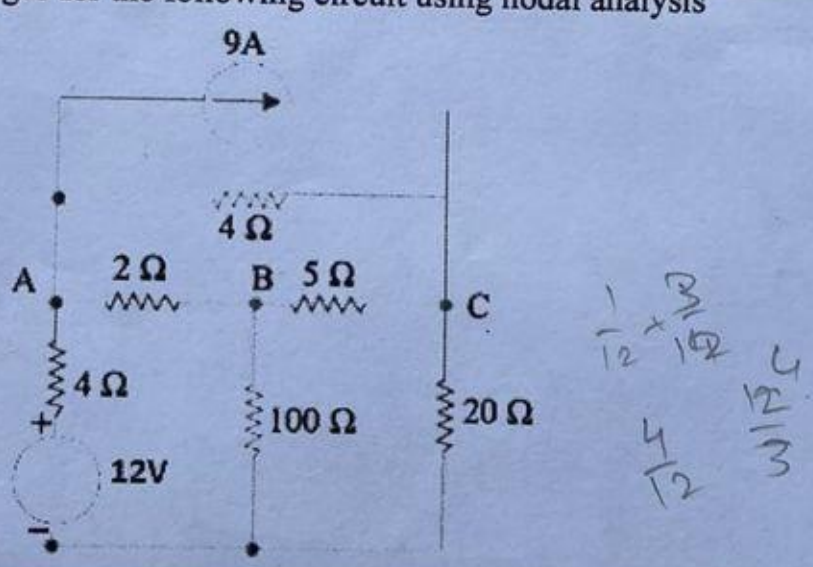
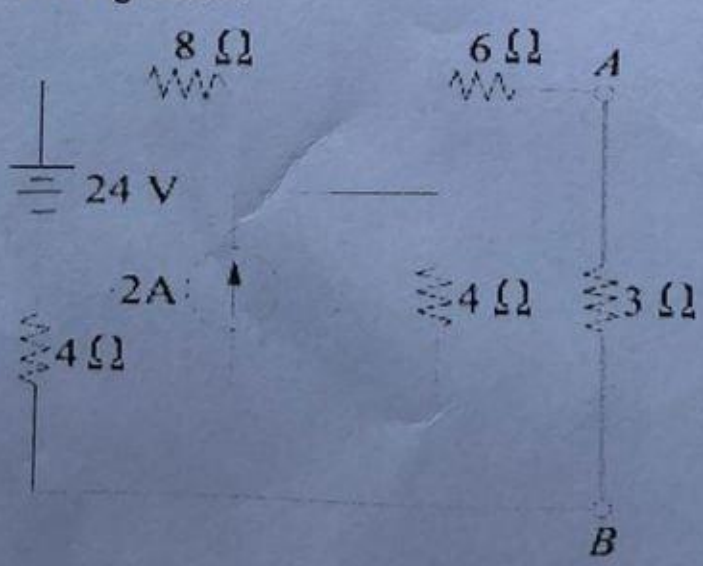
Time : 10 to 11.30 AM

Max. Marks : 50

Faculty : Prof.Y.P.Obulesu, Prof.Jakeer Hussain, Prof.Washima Tasnin, Dr. Shanidul Hoque

Duration : 90 Minutes

Answer all the following questions

S. No	Questions	Marks
1	<p>Determine the node voltages for the following circuit using nodal analysis</p> 	10
2	<p>With the help of Thevenin's theorem, calculate the current flowing through the 3-Ω resistor in the network of Fig. below.</p> 	10