

Basic Electrical Engineering: Network Analysis

*Required

1. Email address *

2. Name *

3. Branch *

Mark only one oval.

TC

MMFT

4. Roll No *

Section 2

All questions are necessary

5. Any closed path through two or more elements of the network in the network is called a _____. *

Mark only one oval.

- Branch
- Node
- Linear path
- Loop

6. Potential difference between two nodes is termed as _____ across the elements connected between the two nodes. *

Mark only one oval.

- Current
- Reference
- Link
- Voltage

7. Voltage dependent current source is the source whose voltage depends upon the _____ through some element other specified part of the circuit. *

Mark only one oval.

- Current
- linearity
- Power
- Voltage

8. A network is said to be Linear if it satisfies the following conditions: *

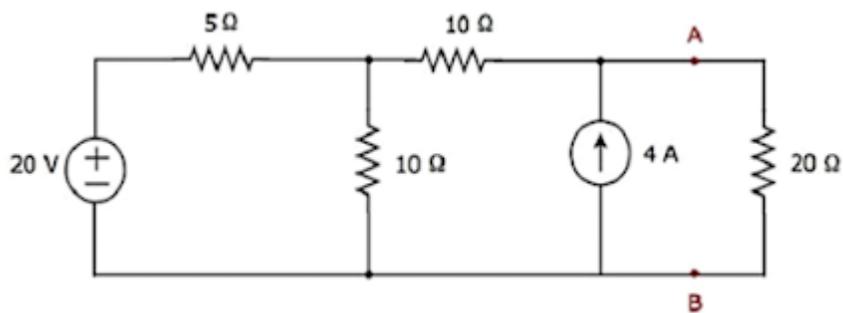
1 point

Mark only one oval.

- Linearity
- linearity and Additivity
- Additivity
- Homogeneity and Additivity

9. The current through 5 Ohm resister is *

1 point



Mark only one oval.

- 2 A
- 0.4 A
- $13/2$ A
- None of the above

10. while simplifying the circuit with the help of Norton's Theorem the Large part of the network is replaced by an equivalent _____ source in Parallel with Norton's Equivalent _____. *

Mark only one oval.

- Voltage, Resistance
- Current, Resistance
- Current, Voltage
- None of the above

11. While simplifying the circuit with the help of Thevenin's Theorem the Larger part of the network is replaced by an equivalent _____ source in Series with Thevenin's Equivalent _____. *

Mark only one oval.

- Voltage, Resistance
- Current, Resistance
- Current, Voltage
- None of the above

12. While simplifying the circuit with the help of Thevenin's/ Norton's Theorem the Thevenin's /Norton's Equivalent Resistance is measured by removing all the ideal sources. In this case the ideal voltage source is _____ circuited and Ideal current source is _____ circuited. *

Mark only one oval.

- Short, Short
- Open, Short
- Short, Open
- Open, Open

13. _____ Theorem is a test to test the linearity of the circuit. In other way it is applicable to the _____ circuits only * 1 point

Mark only one oval.

- Reciprocity, Linearity
- Linearity, Linearity
- Superposition, Linear
- Maximum Power transfer, Resistive

14. The power supplied by Ideal dc Voltage Source is _____ when maximum power condition is achieved and maximum power delivered to the load resistor is 250 W. * 1 point

Mark only one oval.

- 250 W
- 500 W
- 750 W
- Cannot be calculated with above data

This content is neither created nor endorsed by Google.

Google Forms