VERIFICATION OF NETWORK THEROEMS

CEE 2200 Verification of Network Theorems

OBJECTIVE: To verify Superposition, Norton's, Thevinin's & Maximum Power Transfer Theorems.

SPECIFICATION: 3 Fixed Output DC Regulated Power Supply of 12V & 5V at 250mA current, 4 Digital meters.

CEE 2201 Verification of Superposition Theorem.

OBJECTIVE: To verify the Supper Position Theorem. This theorem states that in a linear network containing several sources.

SPECIFICATION: Two Fixed Output DC Regulated Power Supply. 12V & 5V at 250mA.3 Digital meters.

CEE 2202 Verification of Norton's Theorem

OBJECTIVE: To Verify the calculation of current flowing through load resistance of a circuit.

SPECIFICATION: 12V at 250mA. 2 Digital meters.

CEE 2203 Verification of Thevinin's Theorem.

OBJECTIVE: To Verify the calculation of current flowing through load resistance of a circuit.

SPECIFICATION: 12V & 5V at 250mA. 2 Digital meters.

CEE 2204 Verification of Norton's & Thevinin's Theorem

OBJECTIVE: To verify the Norton theorem & Thevenin theorem.

SPECIFICATION: 1 Fixed Output DC Regulated Power Supply. 12V at 250mA 2 Digital meters.

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CEE 2205 Verification of Maximum Power Transfer Theorem

OBJECTIVE: To calculate the Maximum Power Transferred from a source to a load when the load resistance is made equal to the internal resistance of the source.

SPECIFICATION: DC Regulated Power Supply of +12V.Variable resistance VR (potentiometer), is mounted on the front panel. Voltmeter and current meters are mounted on front panel to measure the voltage & current. Three type of resistance R1(500 ohm, 1 Kohm, & 2K2 ohm) are also mounted on front panel.

CEE 2206 Verification of Reciprocity Theorem.

OBJECTIVE: To study of RECIPROCITY THEOREM. The module is self contained with built in power supply.

SPECIFICATION: 1 Fixed Output DC Regulated Power Supply. 12V at 250mA current. 2 Digital meters.

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