**Experiment No:** 01

**Experiment Name**: Verification of Ohm’s Law

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| Resistance **(kΩ)** | Voltage **(V)** | Current Theoritical **()(mA)** | Current Practical **()(mA)** | Error |
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**Experiment No:** 02

**Experiment Name**: Verification of Kirchhoff’s Law and Voltage Divider Rule

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| Source Voltage |  | |  | |  | |  | | Error |
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**Experiment No:** 03

**Experiment Name**: Verification of Kirchhoff’s Current Law in a parallel circuit.

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| **V** |  | |  | |  | |  | |  | |  | |  | |  | | **Error** |
| **Th** | **Prac** | **Th** | **Prac** | **Th** | **Prac** | **Th** | **Prac** | **Th** | **Prac** | **Th** | **Prac** | **Th** | **Prac** | **Th** | **Prac** |
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**Experiment No:** 04

**Experiment Name**: Verification of Voltage and Currents in different brunches in a ladder network

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| **V** | **(mA)** | |  | |  | |  | |  | |  | | **(V)** | | **(V)** | | **(V)** | | **(V)** | | **(V)** | | |
| **Th** | **Pr** | **Th** | **Pr** | **Th** | **Pr** | **Th** | **Pr** | **Th** | **Pr** | **Th** | **Pr** | **Th** | **Pr** | **Th** | **Pr** | **Th** | **Pr** | **Th** | **Pr** | **Th** | **Pr** |
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**Experiment No:** 05

**Experiment Name**: **Verification of different circuits in different branch of a Bridge Network by mesh analysis**

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| **V** | **(mA)** | |  | |  | |  | |  | |  | |
| **Theoretical** | **Practical** | **Theoretical** | **Practical** | **Theoretical** | **Practical** | **Theoretical** | **Practical** | **Theoretical** | **Practical** | **Theoretical** | **Practical** |
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**Experiment No:** 06

**Experiment Name**: **Verification of Superposition Theorem in a linear bilateral network.**

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| **Voltage** | |  | | |  | | |  | | |
|  |  | **Theoretical** | **Practical** | **Error** | **Theoretical** | **Practical** | **Error** | **Theoretical** | **Practical** | **Error** |
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**Experiment No:** 07

**Experiment Name**: **Verification of Maximum Power Transfer Theorem**

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| Resistance | |  | |  | |  | |
| **Theoretical** | **Practical** | **Theoretical** | **Practical** | **Theoretical** | **Practical** |
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**Experiment No:** 08

**Experiment Name**: **Verification of Reciprocity Theorem in a linear bilateral network.**

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| **-Theoretical** | **-Practical** | **-Reciprocal** | **-Theoretical** | **-Practical** | **-Reciprocal** | **-Theoretical** | **-Practical** | **-Reciprocal** |
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**Experiment No:** Extra

**Experiment Name**: Verification of Current Divider Rule in a parallel circuit.

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| **V** |  | |  | |  | |  | |  | |  | | **Error** |
| **Th** | **Prac** | **Th** | **Prac** | **Th** | **Prac** | **Th** | **Prac** | **Th** | **Prac** | **Th** | **Prac** |
|  | Ammeter  Reading |  | Ammeter  Reading |  | Ammeter  Reading |  | Ammeter  Reading |  | Ammeter  Reading |  | Ammeter  Reading |  |
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