**Construct the circuit shown below:-**

|  |  |  |
| --- | --- | --- |
| R | Theoretical Value (Kohm) | Measured Value |
| R1 | 3.3 |  |
| R2 | 6.2 |  |
| R3 | 1.2 |  |
| R4 | 2.7 |  |



* **Nodal Analysis:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Value | VA | VB | VC | VD |
| Measured |  |  |  |  |
| Theoretical |  |  |  |  |

1. Use the Nodal Analysis to find the theoretical values.
* **Superposition Analysis:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Value | $$VB^{'}$$ | $$VB^{''}$$ | $$VC^{'}$$ | $$VC^{''}$$ | $$I1^{'}$$ | $$I1^{''}$$ | $$I2^{'}$$ | $$I2'^{'}$$ |
| Measured |  |  |  |  |  |  |  |  |
| Theoretical |  |  |  |  |  |  |  |  |

1. Use the Superposition Analysis to find the theoretical values.