

Student's Name: \_\_\_\_\_

Grade 10<sup>th</sup>

2<sup>nd</sup> November, 2025

**Q1) Define the following:**

Electric Resistance is

\_\_\_\_\_

Equivalent resistance is

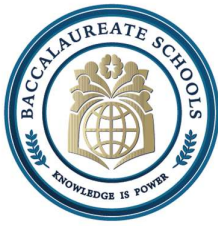
\_\_\_\_\_

**Q2) Complete the following:**

A physical property that dose not change with scale and size is called  
\_\_\_\_\_ and a property that dose change with scale and size is called  
\_\_\_\_\_.

The unit of measure of resistance is \_\_\_\_\_.

The resistance of a wire with area A and length L is proportional to  
\_\_\_\_\_ and inversely proportional to \_\_\_\_\_.



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**Q3)** Find the equivalent resistance of the following diagram

