NORTHWEST TERRITORIES PHYSICS 12 (MPH--12) · UNIT D · 5 QUESTIONS

Circuits and Electromagnetism — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Small cylindrical resistor with coloured bands on a green circuit board, large in frame. A voltage of 18 V drives a current of 2 A through a resistor. The resistance, in ohms, is**



ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A voltage of 30 V is applied across a 10 ohm resistor. The current, in amperes, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Resistors of 3 ohms, 7 ohms and 5 ohms are connected in series. The total resistance, in ohms, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Resistors of 10 ohms and 10 ohms are connected in parallel. The total resistance, in ohms, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A device uses 9 V and draws 3 A. The power it uses, in watts, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 9
2. 3
3. 15
4. 5
5. 27

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