PRINCE EDWARD ISLAND PHYSICS 12 · UNIT C · 5 QUESTIONS

Electricity and Magnetism — 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 **A current of 2 amperes through a resistance of 6 ohms gives voltage in volts of**

ANSWER

Understand It with Pulse | Flag a mistake

2 **Small silver electric motor with cooling fins and power cable on a wooden workbench, large in frame. A device uses 60 volts and 2 amperes. Its power in watts is**



ANSWER

Understand It with Pulse | Flag a mistake

3 **A charge of 2 coulombs moves at 3 metres per second perpendicular to a magnetic field of 4 tesla. The magnetic force in newtons is**

ANSWER

Understand It with Pulse | Flag a mistake

4 **A current of 4 amperes flows for 20 seconds. The charge transferred in coulombs is**

ANSWER

Understand It with Pulse | Flag a mistake

5 **Opposite electric charges**

A attract

B repel

C have no force

D cancel charge

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 12
2. 120
3. 24
4. 80
5. A

© 2026 Brett Robbins. All Rights Reserved.