NOVA SCOTIA PHYSICS 12 · UNIT D · 5 QUESTIONS

Fields, 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 **A soccer ball flying above a green field. A charge of 5 coulombs in an electric field feels a force of 25 newtons. The electric field strength, in newtons per coulomb, is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **A charge of 2 coulombs in an electric field feels a force of 30 newtons. The electric field strength, in newtons per coulomb, is**

ANSWER

Understand It with Pulse | Flag a mistake

3 **Two charges attract with a force of 200 newtons. If the distance between them doubles, the new force, in newtons, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Two charges attract with a force of 120 newtons. If the distance between them doubles, the new force, in newtons, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A current of 4 amperes flows through a resistor of 5 ohms. The potential difference, in volts, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 5
2. 15
3. 50
4. 30
5. 20

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