ELECTROSTATICS AND FIELDS - PRACTICE TEST | NEW BRUNSWICK PHYSICS 121-122 · UNIT E · 5 QUESTIONS

Electrostatics and Fields — 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 microcoulombs in a field of 20 newtons per coulomb experiences a force in millinewtons of**



ANSWER

Understand It with Pulse | Flag a mistake

2 **A parallel plate capacitor has voltage 150 volts and separation 0.03 metres. The field in volts per metre is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A field of 2000 volts per metre across 0.1 metres gives a voltage in volts of**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The Coulomb force at distance d is 72 newtons. At distance 3d the force is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A charge of 4 coulombs gains 80 joules. The potential difference in volts is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 100
2. 5000
3. 200
4. 8
5. 20

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