ELECTROSTATICS AND FIELDS - PRACTICE TEST | NEW BRUNSWICK PHYSICS 121-122 · UNIT E · 10 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 point charge field at 1 metre is 36 newtons per coulomb. At 3 metres the field is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Two electrons each 1.6 units have total charge magnitude in those units of**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A positive test charge moves in the direction of the**

- A electric field
- B magnetic field
- C gravitational field
- D current

Understand It with Pulse | Flag a mistake

4 **Field lines are closer together where the field is**

- A weaker
- B stronger
- C zero
- D uniform

Understand It with Pulse | Flag a mistake

5 **A dipole has one positive and one**

A positive charge

B neutral charge

C negative charge

D electron

Understand It with Pulse | Flag a mistake

6 **Static electricity builds up when charge is**

A created

B destroyed

C neutralised

D separated

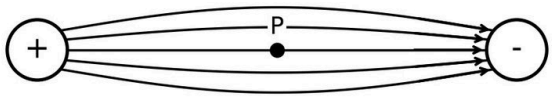
Understand It with Pulse | Flag a mistake

7 **Grounding a conductor allows excess charge to flow to**

- A Earth
- B air
- C water
- D space

Understand It with Pulse | Flag a mistake

8 **The diagram shows field lines between opposite charges. The field at the midpoint points toward the**



- A positive charge
- B negative charge
- C centre only
- D outside

Understand It with Pulse | Flag a mistake

9 **Electric potential is higher near a positive charge than near a**

A positive charge

B neutral point

C negative charge

D ground

Understand It with Pulse | Flag a mistake

10 **A capacitor stores energy in its electric**

A plates only

B wires

C battery

D field

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	4	**5.**	C	**9.**	C
2.	3.2	**6.**	D	**10.**	D
3.	A	**7.**	A		
4.	B	**8.**	B		

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