MANITOBA PHYSICS 40S · UNIT B · 5 QUESTIONS

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

The electric field strength is 24 newtons per coulomb at a distance r from a charge. At a distance of 2r, it is

ANSWER

Understand It with Pulse

Flag a mistake

2 **Communications satellite with long solar panel wings in orbit above Earth, blue Earth with white clouds below. A satellite orbits at 20 kilometres per hour around a path 600 kilometres long. One orbit takes, in hours,**



ANSWER

Understand It with Pulse | Flag a mistake

3 **The field strength near a planet is greatest**

- A far away
- B in orbit
- C at its surface
- D at its centre

Understand It with Pulse | Flag a mistake

4 **The force between two charges is 14 newtons. Doubling one charge and doubling the distance between them changes the force to, in newtons,**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **The electric field strength is 45 newtons per coulomb at a distance r from a charge. At a distance of 3r, it is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 6
2. 30
3. C
4. 7
5. 5

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