MANITOBA PHYSICS 40S · UNIT A · 5 QUESTIONS

Mechanics — 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 **Several stacks of gold coins of increasing height in a row on a wooden table. Use g = 10 metres per second squared . A mass of 3 kilograms at height 4 metres has gravitational potential energy , in joules , of**



ANSWER

Understand It with Pulse | Flag a mistake

2 **A wave has frequency 40 hertz and wavelength 3 metres. Its speed, in metres per second, is**

ANSWER

Understand It with Pulse | Flag a mistake

3 **A current of 5 amperes flows through a resistor of 8 ohms. The voltage, in volts, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **An object starts at 4 metres per second and accelerates at 3 metres per second squared for 4 seconds. Its final speed, in metres per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **An object travels 120 metres in 4 seconds. Its speed, in metres per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 120
2. 120
3. 40
4. 16
5. 30

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