MANITOBA SCIENCE 20F · UNIT C · 10 QUESTIONS

In Motion — 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 wave has frequency 40 hertz and wavelength 3 metres. Its speed, in metres per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A current of 3 amperes flows through a resistor of 7 ohms. The voltage, in volts, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **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

4 **An object starts at 4 metres per second and accelerates at 5 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 starts at 4 metres per second and accelerates at 2 metres per second squared for 4 seconds. Its final speed, in metres per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The unit of energy is the**

A newton

B watt

C volt

D joule

Understand It with Pulse | Flag a mistake

7 **The unit of power is the**

A watt

B joule

C newton

D ampere

Understand It with Pulse | Flag a mistake

8 **The unit of electric current is the**

A volt

B ampere

C ohm

D watt

Understand It with Pulse | Flag a mistake

9 **The unit of voltage is the**

A ampere

B ohm

C volt

D watt

Understand It with Pulse | Flag a mistake

10 **The speed of light in a vacuum is about**

A 150000 kilometres per second

B 300 kilometres per second

C 3000 kilometres per second

D 300000 kilometres per second

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	120	**5.**	12	**9.**	C
2.	21	**6.**	D	**10.**	D
3.	16	**7.**	A		
4.	24	**8.**	B		

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