NOVA SCOTIA ADVANCED PHYSICS 11 · UNIT E · 5 QUESTIONS

Simple Harmonic Motion, Waves, Light and Sound — 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 **Large ocean wave curling and breaking at sea. A wave has wavelength 12 metres and speed 360 metres per second. Its frequency, in hertz, is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **An advanced wave experiment uses frequency 60 hertz and wavelength 2 metres. The wave speed, in metres per second, is**

ANSWER

Understand It with Pulse | Flag a mistake

3 **Interference that increases amplitude is called**

A destructive interference

B constructive interference

C diffraction

D refraction

Understand It with Pulse | Flag a mistake

4 **Resonance happens when a driving frequency matches the**

A amplitude

B natural frequency

C wavelength only

D speed of sound

Understand It with Pulse | Flag a mistake

5 **A wave has wavelength 20 metres and speed 340 metres per second. Its frequency, in hertz, is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 30
2. 120
3. B
4. B
5. 17

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