NEWFOUNDLAND AND LABRADOR PHYSICS 3204 · UNIT B · 5 QUESTIONS

Circular and Planetary 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 **The period of circular motion is the time for one complete**

- A revolution
- B radian
- C metre
- D oscillation only

Understand It with Pulse | Flag a mistake

2

Frequency equals 1 divided by what?

A radius

B period

C speed

D mass

Understand It with Pulse

Flag a mistake

3 **Red race car speeding along a racetrack, side view, motion blur on background. Tangential velocity in circular motion is directed along the**



A radius to the centre

B axis of rotation

C tangent to the circle

D vertical only

Understand It with Pulse | Flag a mistake

4 **A conical pendulum keeps its bob moving in a horizontal circle because the tension has a horizontal component toward the**

- A outside
- B vertical
- C ground
- D centre

Understand It with Pulse | Flag a mistake

5 **Weightlessness in orbit occurs because the satellite and its occupants are in continuous**

- A free fall
- B rest
- C acceleration upward
- D vacuum only

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. B
3. C
4. D
5. A

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