DYNAMICS - PRACTICE TEST | NEW BRUNSWICK PHYSICS 111-112 · UNIT B · 5 QUESTIONS

Dynamics — 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 physics lab pulley clamped to the edge of a wooden lab table, a rope running over the pulley with a small cylindrical metal mass hanging from it, a wooden block resting on the table connected by the rope, bright daylight, sharp focus, no people, no text. A net force acts on a mass of 20 kilograms giving acceleration 4 metres per second squared. The net force, in newtons, is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **A net force of 90 newtons acts on a mass of 15 kilograms. Its acceleration, in metres per second squared, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Newton first law states that an object stays at rest or in uniform motion unless acted on by a**

A net force

B mass

C speed

D distance

Understand It with Pulse | Flag a mistake

4 **Newton second law states that net force equals mass times**

- A velocity
- B acceleration
- C distance
- D time

Understand It with Pulse | Flag a mistake

5 **A net force acts on a mass of 10 kilograms giving acceleration 7 metres per second squared. The net force, in newtons, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 80
2. 6
3. A
4. B
5. 70

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