NOVA SCOTIA PHYSICS 12 · UNIT B · 5 QUESTIONS

Static Equilibrium, Gravitation and Collisions — 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 **Dark storm clouds over the ocean with rain falling in the distance. A force of 30 newtons acts at a distance of 3 metres from a pivot, perpendicular to the lever. The torque, in newton metres, is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **A force of 25 newtons acts at a distance of 2 metres from a pivot, perpendicular to the lever. The torque, in newton metres, is**

ANSWER

Understand It with Pulse | Flag a mistake

3 **Two masses attract with a force of 400 newtons. If the distance between them doubles, the new force, in newtons, is**

ANSWER

Understand It with Pulse | Flag a mistake

4 **Two masses attract with a force of 60 newtons. If the distance between them doubles, the new force, in newtons, is**

ANSWER

Understand It with Pulse | Flag a mistake

5 **An object of mass 4 kilograms moves at 10 metres per second. Its momentum, in kilogram metres per second, is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 90
2. 50
3. 100
4. 15
5. 40

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