NOVA SCOTIA ADVANCED 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 **A pivot has a clockwise torque from 50 newtons at 1 metres and an anticlockwise torque from 20 newtons at 1 metres. The net torque, in newton metres, is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **A pivot has a clockwise torque from 40 newtons at 3 metres and an anticlockwise torque from 30 newtons at 2 metres. The net torque, in newton metres, is**

ANSWER

Understand It with Pulse | Flag a mistake

3 **Two masses attract with force 60 newtons. If one mass doubles and the distance doubles, the new force, in newtons, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Two masses attract with force 160 newtons. If one mass doubles and the distance doubles, the new force, in newtons, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **Objects of momentum 40 and 60 kilogram metres per second move in the same direction and stick together. Their total momentum is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 30
2. 60
3. 30
4. 80
5. 100

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