ENGLAND GCSE PHYSICS EDEXCEL FOUNDATION · UNIT 9 · 10 QUESTIONS

Forces and Their Effects — 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 car goes around a roundabout. Which force keeps it turning?**

- A friction
- B air resistance
- C gravity
- D thrust

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2 **A wristwatch ticks every second. How many ticks in a minute?**

- A 60
- B 100
- C 30
- D 12

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3 **A cardboard box is full of books. What is its mass like?**

- A smaller than when empty
- B zero
- C larger than when empty
- D the same as when empty

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4 **A force of 100 N acts on an area of 20 square metres. Calculate the pressure in pascals.**

- A 10
- B 5
- C 2
- D 20

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5 **A ladder is climbed. Which energy store increases?**

A gravitational potential

B kinetic energy of motion

C thermal energy from friction

D elastic potential energy

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6 **A force of 20 N acts 5 m from a pivot. What is the moment of the force?**

A 200 Nm

B 110 Nm

C 100 Nm

D 50 Nm

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7 **Hardcover books have mass. What is mass measured in?**

- A kilograms
- B newtons, the unit of force
- C watts
- D joules

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8 **A force of 50 N acts 4 m from a pivot. Calculate the moment in Nm.**

- A 215
- B 100
- C 400
- D 200

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9 **A force of 100 N acts on an area of 2 square metres. Calculate the pressure in pascals.**

- A 100
- B 65
- C 25
- D 50

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10 **A Ferris wheel turns slowly. A person on the wheel moves in a circle. What is the person's speed like?**

- A increasing speed
- B steady speed
- C zero speed
- D decreasing speed

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ANSWER KEY

1. A
2. A
3. C
4. B
5. A
6. C
7. A
8. D
9. D
10. B

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