

Handwritten Answer Checker Result

Question 1

Extracted Answer:

Chapter 1, Section 5: Physics Short Questions and Answers

1. What is the SI unit of force?

Answer: Newton (N). It is the force required to accelerate a 1 kg mass by 1 m/s².

2. What does Newton's First Law of Motion state?

Answer: An object will stay at rest or move with constant speed in a straight line unless acted upon by an unbalanced force.

Feedback:

Status: Correct

Feedback: The provided answers correctly define the SI unit of force (Newton) and accurately state Newton's First Law of Motion. The explanation for the Newton unit is also correct.

Marks Awarded:

1/1

Question 2

Extracted Answer:

1. A line unless acted upon by an external force. 3. What is the formula for work done? Answer: Work = Force x Displacement. 4. What is the SI unit of electric current? Answer: Ampere (A). It tells how much electric charge flows per second. 5. Name the device used to measure electric current. Answer: Ammeter. Always connected in series.

Feedback:

Status: Wrong

Feedback: The extracted answer is a jumbled collection of unrelated physics concepts and definitions. It doesn't answer a single coherent question. There's no question provided, making it impossible to assess the relevance or correctness of the snippets of information. The answer demonstrates knowledge of some physics concepts (work, current, ammeter) but it's entirely context-free and therefore wrong as an answer to *any* question. The first point ("A line unless acted upon...") is an incomplete and grammatically incorrect statement of Newton's First Law of Motion.

Marks Awarded:

0/1

Question 3

Extracted Answer:

5 series in a circuit. 6. What happens to resistance if the length of a wire is doubled? Answer: Resistance also doubles. The longer the wire, the harder it is for current to pass through. 7. What type of lens is used to correct myopia (shortsightedness)? Answer: Concave lens. It spreads out the light before it hits the retina.

Feedback:

Status: Unclear

Feedback: The provided "answer" appears to be a mixture of unrelated physics questions and answers. There is no answer provided to a question 3, and the answers given for questions 6 and 7 are correct, but they are out of context and without a corresponding question 3 to evaluate. The question itself is missing, making it impossible to assess the correctness of any answer related to it.

Marks Awarded:

1/2

Question 4**Extracted Answer:**

8. What is the speed of light in a vacuum? Answer: 3×10^8 m/s (300 million meters per second)
9. What is Ohm's Law? Answer: $V = IR$ (Voltage = Current x Resistance)
10. Which mirror is used in car side mirrors? Answer: Convex mirror. Gives a wider field of view, but images appear smaller.

Feedback:

Status: Wrong

Feedback: The provided text is not an answer to a single question, but rather a list of three separate answers to three different physics/electrical engineering questions. Question 4 is not provided, making it impossible to assess the correctness of an answer related to it. While answers 8, 9, and 10 are individually correct, they are not a response to a single question.

Marks Awarded:

0/5

Total Marks:

2/9