

# 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/s<sup>2</sup>.

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 answers provided for both short questions are accurate and complete. The definition of the Newton and the statement of Newton's First Law are both 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 provided answer is a collection of unrelated physics and electrical engineering concepts, not a coherent answer to a single question. There's no single question provided, so the response cannot be evaluated for correctness against a specific problem. The individual answers are correct in themselves (assuming the implied question in points 3, 4 and 5), but the overall response is nonsensical as an answer to a single question. The first point appears to be an incomplete 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" is not an answer to a single question. It appears to be a collection of notes or answers to multiple unrelated questions, none of which are provided. Without the original question(s), it's impossible to assess the correctness of the provided text.

**Marks Awarded:**

1/2

**Question 4****Extracted Answer:**

8. What is the speed of light in a vacuum? Answer:  $3 \times 10^8$  meters per second (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 mirrors. They give a wider field of view, but images appear smaller.

**Feedback:**

Status: Wrong

Feedback: The provided "answer" is not an answer to a single question. It's a list of three separate physics/science questions and their answers. Question 4 is missing, so there's no answer to evaluate for Question 4. While the answers given for questions 8, 9, and 10 are correct, they are irrelevant to the request to evaluate the answer to Question 4.

**Marks Awarded:**

0/5

**Total Marks:**

2/9