



## GRADE 11 PHYSICAL SCIENCES

### NOVEMBER EXAMINATION PAPER 1: PHYSICS

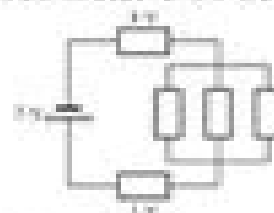
#### SECTION A

##### QUESTION 1

Various options are provided as possible answers to the following questions. Choose the correct answer and write **ONLY** the **LETTER (A-D)** next to the **QUESTION NUMBER** in your answer book.

- 1.1 An example of a vector quantity:
- velocity
  - displacement
  - speed
  - mass
- 1.2 A boy sits on a chair. Gravitational force pulls him down, the force that keeps him from moving down would be:
- friction
  - applied force
  - gravity
  - normal force
- 1.3 Two forces  $F_1$  and  $F_2$  have a net force of 100N if they act in the same direction and are balanced if they act in the opposite direction. The individual forces of  $F_1$  and  $F_2$  will be:
- 70N and 30N
  - 100N and 0N
  - 60N and 40N
  - 80N and 20N

Use the circuit diagram below to answer QUESTIONS 1.4 and 1.5



- 1.4 The voltage over the parallel resistors will be:
- 5V
  - 7V
  - 20
  - 30
- 1.5 The total resistance of the circuit if all resistors were identical with a resistance of 20:
- 100
  - 4/50
  - 50
  - 60
- 1.6 A box is pushed forward with a force of 200N but does not move. A possible reason for this is that:
- frictional force is also 200N
  - frictional force is more than 200N
  - frictional force is less than 200N
  - none of the above
- 1.7 The diagram below shows a coil and a magnet with a pole **P**. A magnetic field is induced in the coil due to the motion of the magnet.



Which **ONE** of the following combinations will result in an induced magnetic field with **NORTH POLE** at point **X**?

|   | DIRECTION OF MOTION OF MAGNET | POLARITY OF P |
|---|-------------------------------|---------------|
| A | into the coil                 | North         |
| B | up and down inside the coil   | North         |
| C | into the coil                 | South         |
| D | up and down inside the coil   | South         |

# Physical Science Gr 1eastern Cape November Memo 2013

**Rosina Ehmann**



**Physical Science Gr 1eastern Cape November Memo 2013:**

The book delves into Physical Science Gr 1eastern Cape November Memo 2013. Physical Science Gr 1eastern Cape November Memo 2013 is a vital topic that must be grasped by everyone, from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Physical Science Gr 1eastern Cape November Memo 2013, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:
  - Chapter 1: Introduction to Physical Science Gr 1eastern Cape November Memo 2013
  - Chapter 2: Essential Elements of Physical Science Gr 1eastern Cape November Memo 2013
  - Chapter 3: Physical Science Gr 1eastern Cape November Memo 2013 in Everyday Life
  - Chapter 4: Physical Science Gr 1eastern Cape November Memo 2013 in Specific Contexts
  - Chapter 5: Conclusion
2. In chapter 1, the author will provide an overview of Physical Science Gr 1eastern Cape November Memo 2013. The first chapter will explore what Physical Science Gr 1eastern Cape November Memo 2013 is, why Physical Science Gr 1eastern Cape November Memo 2013 is vital, and how to effectively learn about Physical Science Gr 1eastern Cape November Memo 2013.
3. In chapter 2, the author will delve into the foundational concepts of Physical Science Gr 1eastern Cape November Memo 2013. This chapter will elucidate the essential principles that need to be understood to grasp Physical Science Gr 1eastern Cape November Memo 2013 in its entirety.
4. In chapter 3, this book will examine the practical applications of Physical Science Gr 1eastern Cape November Memo 2013 in daily life. This chapter will showcase real-world examples of how Physical Science Gr 1eastern Cape November Memo 2013 can be effectively utilized in everyday scenarios.
5. In chapter 4, the author will scrutinize the relevance of Physical Science Gr 1eastern Cape November Memo 2013 in specific contexts. This chapter will explore how Physical Science Gr 1eastern Cape November Memo 2013 is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, this book will draw a conclusion about Physical Science Gr 1eastern Cape November Memo 2013. The final chapter will summarize the key points that have been discussed throughout the book.

This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Physical Science Gr 1eastern Cape November Memo 2013.

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