

- Answer ALL the questions in the same handwriting
- Non-programmable calculator may be used
- Appropriate mathematical instruments may be used
- Round off your final numerical answers to a minimum of (5) decimal places
- Give detailed reasons, discussions, if asked where needed
- Write neatly and legibly.

Learner's Name

Learner's Surname

Grade

Page 1 of 5

The following are represented by A, B and C:  
 A) Amplitude, wavelength, wave length  
 B) Crest, trough, wavelength  
 C) Amplitude, wave length, pulse length  
 D) Crest, trough, wavelength

[2 Marks]

1.5. The displacement of mass  $m$  at points A and B is unknown.



Page 2 of 5

### Physical Sciences – Paper 1 (Physics)

How many wavelengths separate point A and B?

A) 1,25

B) 1

C) 1,5

D) 3

[2 Marks]

1.6. Devices are sometimes placed under the hulls of a boat's hulls. This equipment uses the following wave...

A) X-ray

B) infrared light

C) Ultrasound

D) Ultra violet light

[2 Marks]

1.7. The following are an example of electromagnetic waves:

A) Microwaves, visible light, X-rays

B) X-rays, visible light, microwaves

C) Microwaves, X-rays, visible light

### Physical Sciences – Paper 1 (Physics)

2.2. Identify TWO points in the graph at which the particles would be moving in the same direction

[2 Marks]

2.3. Which point has the maximum displacement?

[1 Mark]

Calculate

2.4. The frequency of the wave produced

[2 Marks]

2.5. The wavelength of the wave produced

[1 Mark]

# June 2013 Physical Science Paper1 National

**Michael Rajnik**



**June 2013 Physical Science Paper1 National:**

## **June 2013 Physical Science Paper1 National Book Review: Unveiling the Magic of Language**

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has been apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**June 2013 Physical Science Paper1 National**," published by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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### **Table of Contents June 2013 Physical Science Paper1 National**

1. Understanding the eBook June 2013 Physical Science Paper1 National
  - The Rise of Digital Reading June 2013 Physical Science Paper1 National
  - Advantages of eBooks Over Traditional Books
2. Identifying June 2013 Physical Science Paper1 National
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an eBook June 2013 Physical Science Paper1 National
  - User-Friendly Interface
4. Exploring eBook Recommendations from June 2013 Physical Science Paper1 National
  - Personalized Recommendations
  - June 2013 Physical Science Paper1 National User Reviews and Ratings
  - June 2013 Physical Science Paper1 National and Bestseller Lists

5. Accessing June 2013 Physical Science Paper1 National Free and Paid eBooks
  - June 2013 Physical Science Paper1 National Public Domain eBooks
  - June 2013 Physical Science Paper1 National eBook Subscription Services
  - June 2013 Physical Science Paper1 National Budget-Friendly Options
6. Navigating June 2013 Physical Science Paper1 National eBook Formats
  - ePub, PDF, MOBI, and More
  - June 2013 Physical Science Paper1 National Compatibility with Devices
  - June 2013 Physical Science Paper1 National Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of June 2013 Physical Science Paper1 National
  - Highlighting and Note-Taking June 2013 Physical Science Paper1 National
  - Interactive Elements June 2013 Physical Science Paper1 National
8. Staying Engaged with June 2013 Physical Science Paper1 National
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers June 2013 Physical Science Paper1 National
9. Balancing eBooks and Physical Books June 2013 Physical Science Paper1 National
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection June 2013 Physical Science Paper1 National
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine June 2013 Physical Science Paper1 National
  - Setting Reading Goals June 2013 Physical Science Paper1 National
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of June 2013 Physical Science Paper1 National
  - Fact-Checking eBook Content of June 2013 Physical Science Paper1 National
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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