

- Answer ALL the questions in the same handwriting.
- Non-programmable calculators may be used.
- Appropriate mathematical instruments may be used.
- Round off your final numerical answers to a minimum of two 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 zero.



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 headlights of a car to detect if a car is approaching. 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]

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Didier Musso



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Table of Contents Grade 1march Control Test 2013 Physical Science Paper 1

1. Understanding the eBook Grade 1march Control Test 2013 Physical Science Paper 1
 - The Rise of Digital Reading Grade 1march Control Test 2013 Physical Science Paper 1
 - Advantages of eBooks Over Traditional Books
2. Identifying Grade 1march Control Test 2013 Physical Science Paper 1
 - 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 Grade 1march Control Test 2013 Physical Science Paper 1
 - User-Friendly Interface
4. Exploring eBook Recommendations from Grade 1march Control Test 2013 Physical Science Paper 1
 - Personalized Recommendations
 - Grade 1march Control Test 2013 Physical Science Paper 1 User Reviews and Ratings
 - Grade 1march Control Test 2013 Physical Science Paper 1 and Bestseller Lists
5. Accessing Grade 1march Control Test 2013 Physical Science Paper 1 Free and Paid eBooks
 - Grade 1march Control Test 2013 Physical Science Paper 1 Public Domain eBooks
 - Grade 1march Control Test 2013 Physical Science Paper 1 eBook Subscription Services
 - Grade 1march Control Test 2013 Physical Science Paper 1 Budget-Friendly Options

6. Navigating Grade 1march Control Test 2013 Physical Science Paper 1 eBook Formats
 - ePub, PDF, MOBI, and More
 - Grade 1march Control Test 2013 Physical Science Paper 1 Compatibility with Devices
 - Grade 1march Control Test 2013 Physical Science Paper 1 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Grade 1march Control Test 2013 Physical Science Paper 1
 - Highlighting and Note-Taking Grade 1march Control Test 2013 Physical Science Paper 1
 - Interactive Elements Grade 1march Control Test 2013 Physical Science Paper 1
8. Staying Engaged with Grade 1march Control Test 2013 Physical Science Paper 1
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Grade 1march Control Test 2013 Physical Science Paper 1
9. Balancing eBooks and Physical Books Grade 1march Control Test 2013 Physical Science Paper 1
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Grade 1march Control Test 2013 Physical Science Paper 1
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Grade 1march Control Test 2013 Physical Science Paper 1
 - Setting Reading Goals Grade 1march Control Test 2013 Physical Science Paper 1
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Grade 1march Control Test 2013 Physical Science Paper 1
 - Fact-Checking eBook Content of Grade 1march Control Test 2013 Physical Science Paper 1
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
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