

- 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 (Physical)

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 floor of a house to detect fire. 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 (Physical)

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]

# Physical Science Grade 10 Paper 1 2013

**Yiyu Cai, Wouter van Joolingen, Koen  
Veermans**



## **Physical Science Grade 10 Paper 1 2013:**

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material and for implementation in classrooms By doing so the book is a useful resource for both students and scholars interested in research in this field for designers of learning material and for practitioners that want to embrace virtual reality simulation and or serious games in their education

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**Inquiry-Based Science in the Primary Classroom** Garima Bansal, Umesh Ramnarain, 2023-06-20 The chapters in this book represent a cross section of research conducted in inquiry based science education at primary levels of schooling in international contexts that include school settings in Australia India Singapore South Africa Turkey Northern Ireland and the United States The book includes empirical studies on the role of inquiry based learning in advancing students conceptual understanding and modelling proficiency students understandings about the nature of scientific inquiry classroom studies on teachers enactment of inquiry based learning teachers facilitation of classroom discourse for inquiry based learning and co teaching in developing teachers in adopting an inquiry based pedagogy It was originally published as a special issue of the journal Education 3 13

**Reasoning** Mr. Rohit Manglik, 2024-08-24 A practical guide to enhancing analytical and logical reasoning abilities ideal for competitive exam preparation

*Landfalling tropical cyclones: physical*



*processes, forecasting and impacts* Yihong Duan, Qingqing Li, Guanghua Chen, Hui Yu, Da-Lin Zhang, Kun Zhao, 2022-12-29

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web the school for lies transforms molière s 17 th century classic les misanthrope into a modern satire crafted in vicious couplets and outrageous gags creating a baroque comedy of manners brimming with contemporary slang stc s production will be the premiere of ives s newly updated version of the adaptation inspired by recent events and

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web this wild farce of furious tempo and stunning verbal display all in very contemporary couplets runs variations on molière s le misanthrope which inspired it join us for another incomparable romp from david ives the brilliant author of all in the timing

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2021 22 theatre school for lies university of minnesota - Mar 30 2022

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2022 7 30 pm feb 6 2022 2 pm asl interpreted performance sun feb 6 2022 2 pm marshall performing arts center mainstage theatre general admission seating

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