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NATIONAL SENIOR CERTIFICATE EXAMINATION
NOVEMBER 2022

PHYSICAL SCIENCES: PAPER I

EXAMINATION NUMBER

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Time: 3 hours

200 marks

PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. This question paper consists of 31 pages and a Data Sheet of 2 pages (i–ii). Please check that your question paper is complete.
2. Read the questions carefully.
3. Answer ALL the questions on the question paper and hand it in at the end of the examination. Remember to write your examination number in the space provided above.
4. Use the data and formulae whenever necessary.
5. Show your working in all calculations.
6. Units need not be included in the working of calculations, but appropriate units should be shown in the answer.
7. Answers must be expressed in decimal format, not left as proper fractions.
8. Where appropriate, express answers to TWO decimal places.
9. It is in your own interest to write legibly and to present your work neatly.
10. TWO blank pages (pages 29–30) are included at the end of the paper. If you run out of space for a question, use these pages. Clearly indicate the number of your answer should you use this extra space. There is a spare copy of graph paper on page 31.

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Page 2 of 31

QUESTION 1 MULTIPLE CHOICE

Answer these questions on the multiple-choice answer grid below. Make a clear cross (X) in the box corresponding to the letter that you consider to be correct. Every question has only one correct answer.

A	B	<input checked="" type="checkbox"/> C	D
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Here the option C has been marked as an example.

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Table of Contents Past Exam Papers Grade 12 Ieb

1. Understanding the eBook Past Exam Papers Grade 12 Ieb
 - The Rise of Digital Reading Past Exam Papers Grade 12 Ieb
 - Advantages of eBooks Over Traditional Books
2. Identifying Past Exam Papers Grade 12 Ieb
 - 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 Past Exam Papers Grade 12 Ieb
 - User-Friendly Interface
4. Exploring eBook Recommendations from Past Exam Papers Grade 12 Ieb
 - Personalized Recommendations
 - Past Exam Papers Grade 12 Ieb User Reviews and Ratings
 - Past Exam Papers Grade 12 Ieb and Bestseller Lists
5. Accessing Past Exam Papers Grade 12 Ieb Free and Paid eBooks
 - Past Exam Papers Grade 12 Ieb Public Domain eBooks
 - Past Exam Papers Grade 12 Ieb eBook Subscription Services
 - Past Exam Papers Grade 12 Ieb Budget-Friendly Options
6. Navigating Past Exam Papers Grade 12 Ieb eBook Formats

- ePub, PDF, MOBI, and More
- Past Exam Papers Grade 12 Ieb Compatibility with Devices
- Past Exam Papers Grade 12 Ieb Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Past Exam Papers Grade 12 Ieb
 - Highlighting and Note-Taking Past Exam Papers Grade 12 Ieb
 - Interactive Elements Past Exam Papers Grade 12 Ieb
- 8. Staying Engaged with Past Exam Papers Grade 12 Ieb
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Past Exam Papers Grade 12 Ieb
- 9. Balancing eBooks and Physical Books Past Exam Papers Grade 12 Ieb
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Past Exam Papers Grade 12 Ieb
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Past Exam Papers Grade 12 Ieb
 - Setting Reading Goals Past Exam Papers Grade 12 Ieb
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Past Exam Papers Grade 12 Ieb
 - Fact-Checking eBook Content of Past Exam Papers Grade 12 Ieb
 - 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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