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NATIONAL SENIOR CERTIFICATE EXAMINATION
 NOVEMBER 2022

PHYSICAL SCIENCES: PAPER I

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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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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"/>	D
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Here the option C has been marked as an example.

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Table of Contents Ieb Past Papers Grade 1business Studies

1. Understanding the eBook Ieb Past Papers Grade 1business Studies
 - The Rise of Digital Reading Ieb Past Papers Grade 1business Studies
 - Advantages of eBooks Over Traditional Books
2. Identifying Ieb Past Papers Grade 1business Studies
 - 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 Ieb Past Papers Grade 1business Studies
 - User-Friendly Interface
4. Exploring eBook Recommendations from Ieb Past Papers Grade 1business Studies
 - Personalized Recommendations

- Ieb Past Papers Grade 1business Studies User Reviews and Ratings
- Ieb Past Papers Grade 1business Studies and Bestseller Lists
- 5. Accessing Ieb Past Papers Grade 1business Studies Free and Paid eBooks
 - Ieb Past Papers Grade 1business Studies Public Domain eBooks
 - Ieb Past Papers Grade 1business Studies eBook Subscription Services
 - Ieb Past Papers Grade 1business Studies Budget-Friendly Options
- 6. Navigating Ieb Past Papers Grade 1business Studies eBook Formats
 - ePub, PDF, MOBI, and More
 - Ieb Past Papers Grade 1business Studies Compatibility with Devices
 - Ieb Past Papers Grade 1business Studies Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Ieb Past Papers Grade 1business Studies
 - Highlighting and Note-Taking Ieb Past Papers Grade 1business Studies
 - Interactive Elements Ieb Past Papers Grade 1business Studies
- 8. Staying Engaged with Ieb Past Papers Grade 1business Studies
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Ieb Past Papers Grade 1business Studies
- 9. Balancing eBooks and Physical Books Ieb Past Papers Grade 1business Studies
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Ieb Past Papers Grade 1business Studies
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Ieb Past Papers Grade 1business Studies
 - Setting Reading Goals Ieb Past Papers Grade 1business Studies
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Ieb Past Papers Grade 1business Studies
 - Fact-Checking eBook Content of Ieb Past Papers Grade 1business Studies

- 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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