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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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	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Total
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NATIONAL SENIOR CERTIFICATE: PHYSICAL SCIENCES: PAPER I

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	☒ C	D
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Here the option C has been marked as an example.

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1. Understanding the eBook Ieb Exam Papers 22
 - The Rise of Digital Reading Ieb Exam Papers 22
 - Advantages of eBooks Over Traditional Books
2. Identifying Ieb Exam Papers 22
 - 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 Exam Papers 22
 - User-Friendly Interface
4. Exploring eBook Recommendations from Ieb Exam Papers 22
 - Personalized Recommendations
 - Ieb Exam Papers 22 User Reviews and Ratings
 - Ieb Exam Papers 22 and Bestseller Lists
5. Accessing Ieb Exam Papers 22 Free and Paid eBooks

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- Ieb Exam Papers 22 eBook Subscription Services
- Ieb Exam Papers 22 Budget-Friendly Options
- 6. Navigating Ieb Exam Papers 22 eBook Formats
 - ePub, PDF, MOBI, and More
 - Ieb Exam Papers 22 Compatibility with Devices
 - Ieb Exam Papers 22 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Ieb Exam Papers 22
 - Highlighting and Note-Taking Ieb Exam Papers 22
 - Interactive Elements Ieb Exam Papers 22
- 8. Staying Engaged with Ieb Exam Papers 22
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Ieb Exam Papers 22
- 9. Balancing eBooks and Physical Books Ieb Exam Papers 22
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Ieb Exam Papers 22
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Ieb Exam Papers 22
 - Setting Reading Goals Ieb Exam Papers 22
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Ieb Exam Papers 22
 - Fact-Checking eBook Content of Ieb Exam Papers 22
 - 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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