

PHYSICS

SCIENCE Paper – 1

*(Two hours)**Answers to this Paper must be written on the paper provided separately.**You will **not** be allowed to write during the first **15** minutes.**This time is to be spent in reading the Question Paper.**The time given at the head of this Paper is the time allowed for writing the answers.**Section I is compulsory. Attempt **any four** questions from Section II.**The intended marks for questions or parts of questions are given in brackets [].***SECTION I (40 Marks)***Attempt **all** questions from this Section***Question 1**

- (a) (i) Define the least count of an instrument. [2]
- (ii) What is the least count of a standard laboratory micrometer screw gauge?
- (b) A spring balance is used to find the weight of a body X on the surface of the moon. The mass of the body X is 2 kg and its weight is recorded as 3.4 N. The weight of another body Y recorded by the same balance is found to be 7.65 N. Calculate the mass of the body Y. [2]
- (c) State two differences between mass and weight. [2]
- (d) Two pendulums P and Q have equal lengths but their bobs weigh 10gf and 20gf respectively. [2]
- (i) Compare their time periods.
- (ii) Give a reason for your answer.
- (e) Why do we need to run a certain distance before getting into a moving bus? [2]

This Paper consists of 7 printed pages.

Grade 1physics 2march Exam Paper

Kathleen Armour



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Table of Contents Grade 1physics 2march Exam Paper

1. Understanding the eBook Grade 1physics 2march Exam Paper
 - The Rise of Digital Reading Grade 1physics 2march Exam Paper
 - Advantages of eBooks Over Traditional Books
2. Identifying Grade 1physics 2march Exam Paper
 - 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 1physics 2march Exam Paper
 - User-Friendly Interface
4. Exploring eBook Recommendations from Grade 1physics 2march Exam Paper
 - Personalized Recommendations

- Grade 1physics 2march Exam Paper User Reviews and Ratings
- Grade 1physics 2march Exam Paper and Bestseller Lists
- 5. Accessing Grade 1physics 2march Exam Paper Free and Paid eBooks
 - Grade 1physics 2march Exam Paper Public Domain eBooks
 - Grade 1physics 2march Exam Paper eBook Subscription Services
 - Grade 1physics 2march Exam Paper Budget-Friendly Options
- 6. Navigating Grade 1physics 2march Exam Paper eBook Formats
 - ePub, PDF, MOBI, and More
 - Grade 1physics 2march Exam Paper Compatibility with Devices
 - Grade 1physics 2march Exam Paper Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Grade 1physics 2march Exam Paper
 - Highlighting and Note-Taking Grade 1physics 2march Exam Paper
 - Interactive Elements Grade 1physics 2march Exam Paper
- 8. Staying Engaged with Grade 1physics 2march Exam Paper
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Grade 1physics 2march Exam Paper
- 9. Balancing eBooks and Physical Books Grade 1physics 2march Exam Paper
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Grade 1physics 2march Exam Paper
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Grade 1physics 2march Exam Paper
 - Setting Reading Goals Grade 1physics 2march Exam Paper
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Grade 1physics 2march Exam Paper
 - Fact-Checking eBook Content of Grade 1physics 2march Exam Paper

- 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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