

**FORMATIVE ASSESSMENT-I, 2024-25**  
**PHYSICS**

Time allowed: One hour

**GRADE: X**

**Max. Marks: 40**

*Answers to this Paper must be written on the paper provided separately.*

*You will not be allowed to write during 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 A is compulsory. Attempt any two questions from Section B.*

*The intended marks for questions or parts of questions are given in brackets [ ].*

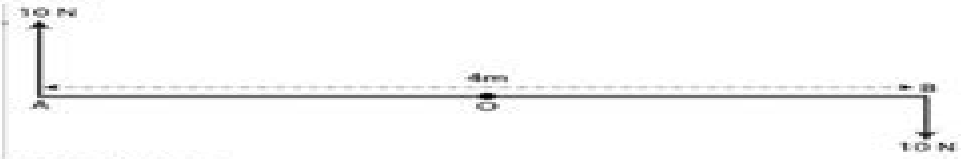
**SECTION A**

*(Attempt all questions from this Section.)*

**Question 1**

Choose the correct answers to the questions from the given options:

**[7]**

- |       |  |
|-------|--|
| (i)   | <p>Two forces each of magnitude 10N act vertically upwards and downwards respectively at the two ends A and B of a uniform rod of length 4m which is pivoted at its midpoint O as shown. Determine the magnitude of resultant moment of forces about the pivot O.</p> <div style="text-align: center; margin: 10px 0;">  </div> <p>           a) 40 N m anticlockwise<br/>           b) 40 N m clockwise<br/>           c) 0<br/>           d) 80 N m anticlockwise         </p> |
| (ii)  | <p>A particle is thrown upward with some kinetic energy. What happens to its kinetic energy at the highest point or height it reaches.</p> <p>           a) Its kinetic energy is lost<br/>           b) Its all kinetic energy is absorbed by air.<br/>           c) Its kinetic energy is converted to potential energy<br/>           d) Its kinetic energy remains same         </p>   |
| (iii) | <p>With what velocity a student of mass 60kg run so that his kinetic energy becomes 270 J?</p> <p>           a) 10m/s<br/>           b) 3m/s<br/>           c) 20m/s<br/>           d) 2.5m/s         </p>   |

# Grade 10 Physics Paper 1 Exemplar

**M Mark**



## **Grade 10 Physics Paper 1 Exemplar:**

## Decoding **Grade 10 Physics Paper 1 Exemplar**: Revealing the Captivating Potential of Verbal Expression

In a period characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Grade 10 Physics Paper 1 Exemplar**," a mesmerizing literary creation penned by way of a celebrated wordsmith, readers attempt an enlightening odyssey, unraveling the intricate significance of language and its enduring affect our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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### **Table of Contents Grade 10 Physics Paper 1 Exemplar**

1. Understanding the eBook Grade 10 Physics Paper 1 Exemplar
  - The Rise of Digital Reading Grade 10 Physics Paper 1 Exemplar
  - Advantages of eBooks Over Traditional Books
2. Identifying Grade 10 Physics Paper 1 Exemplar
  - 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 10 Physics Paper 1 Exemplar
  - User-Friendly Interface
4. Exploring eBook Recommendations from Grade 10 Physics Paper 1 Exemplar
  - Personalized Recommendations
  - Grade 10 Physics Paper 1 Exemplar User Reviews and Ratings
  - Grade 10 Physics Paper 1 Exemplar and Bestseller Lists

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