

# ICSE Class 10 Physics Question Paper Solution 2015

## PHYSICS SCIENCE PAPER I

### Question 1

- (a) When a body is placed on a table top, it exerts a force equal to its weight downwards on the table top but does not move or fall.



- (i) Name the force exerted by the table top. [2]  
(ii) What is the direction of the force? [2]
- (b) (i) Name one factor that affects the lateral displacement of light as it passes through a rectangular glass slab. [2]  
(ii) On reversing the direction of the current in a wire, the magnetic field produced by it gets -----, [2]
- (c) (i) On what factor does the position of the centre of gravity of a body depend? [2]  
(ii) What is the S.I unit of the moment of force? [2]
- (d) Name the factors affecting the turning effect of a body. [2]
- (e) (i) Define equilibrium. [2]  
(ii) In a beam balance when the beam is balanced in a horizontal position, it is in \_\_\_\_\_ equilibrium. [2]

### Examiners' Comments

- (a) (i) Most candidates answered correctly, however some named the force incorrectly as force applied or force due to friction.  
(ii) Many candidates simply wrote the direction to be upward rather than stating it to be vertically upward.
- (b) Most candidates answered it correctly though some wrote changed instead of reversed for direction.

### Suggestions for teachers

- The topic on centre of gravity should be explained by giving a variety of examples so that students understand that even bodies of same volumes or same mass can still have different positions of centre of gravity.

# Icse 2015 Physics Question Paper

**Educart, Sir Tarun Rupani**

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**Table of Contents Icse 2015 Physics Question Paper**

1. Understanding the eBook Icse 2015 Physics Question Paper
  - The Rise of Digital Reading Icse 2015 Physics Question Paper
  - Advantages of eBooks Over Traditional Books
2. Identifying Icse 2015 Physics Question 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 Icse 2015 Physics Question Paper
  - User-Friendly Interface
4. Exploring eBook Recommendations from Icse 2015 Physics Question Paper
  - Personalized Recommendations
  - Icse 2015 Physics Question Paper User Reviews and Ratings
  - Icse 2015 Physics Question Paper and Bestseller Lists
5. Accessing Icse 2015 Physics Question Paper Free and Paid eBooks
  - Icse 2015 Physics Question Paper Public Domain eBooks
  - Icse 2015 Physics Question Paper eBook Subscription Services
  - Icse 2015 Physics Question Paper Budget-Friendly Options
6. Navigating Icse 2015 Physics Question Paper eBook Formats
  - ePub, PDF, MOBI, and More
  - Icse 2015 Physics Question Paper Compatibility with Devices
  - Icse 2015 Physics Question Paper Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Icse 2015 Physics Question Paper
  - Highlighting and Note-Taking Icse 2015 Physics Question Paper
  - Interactive Elements Icse 2015 Physics Question Paper
8. Staying Engaged with Icse 2015 Physics Question Paper

- Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Icse 2015 Physics Question Paper
9. Balancing eBooks and Physical Books Icse 2015 Physics Question Paper
- Benefits of a Digital Library
  - Creating a Diverse Reading Collection Icse 2015 Physics Question Paper
10. Overcoming Reading Challenges
- Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Icse 2015 Physics Question Paper
- Setting Reading Goals Icse 2015 Physics Question Paper
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Icse 2015 Physics Question Paper
- Fact-Checking eBook Content of Icse 2015 Physics Question 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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