

QUESTION 1: MULTIPLE-CHOICE QUESTIONS

Various options are provided as possible answers to the following questions. Each question has only **ONE** correct answer. Write only the letter (A–D) next to the question number (1.1–1.10) in the **ANSWER BOOK**.

- 1.1 Consider the following vector diagram:



The vector which represents the resultant of the other two, is ...

- A AB.
B AC.
C CB.
D BA. (2)
- 1.2 Two forces of magnitudes 11 N and 5 N respectively, act simultaneously on an object. Which **ONE** of the following **CANNOT** be the resultant of the two forces?
A 5 N
B 7 N
C 9 N
D 16 N (2)
- 1.3 A ball is dropped onto a concrete floor and bounces off the floor to the same height from which it was dropped. Which **ONE** of the following laws best explains why the ball experiences an upward force?
A Newton's first law of motion
B Newton's second law of motion
C Newton's third law of motion
D Newton's law of universal gravitation (2)

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E Durkheim



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Table of Contents Physical Science Paper June Exemplar 2013

1. Understanding the eBook Physical Science Paper June Exemplar 2013
 - The Rise of Digital Reading Physical Science Paper June Exemplar 2013
 - Advantages of eBooks Over Traditional Books
2. Identifying Physical Science Paper June Exemplar 2013
 - 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 Physical Science Paper June Exemplar 2013
 - User-Friendly Interface
4. Exploring eBook Recommendations from Physical Science Paper June Exemplar 2013
 - Personalized Recommendations
 - Physical Science Paper June Exemplar 2013 User Reviews and Ratings
 - Physical Science Paper June Exemplar 2013 and Bestseller Lists
5. Accessing Physical Science Paper June Exemplar 2013 Free and Paid eBooks
 - Physical Science Paper June Exemplar 2013 Public Domain eBooks
 - Physical Science Paper June Exemplar 2013 eBook Subscription Services
 - Physical Science Paper June Exemplar 2013 Budget-Friendly Options

6. Navigating Physical Science Paper June Exemplar 2013 eBook Formats
 - ePub, PDF, MOBI, and More
 - Physical Science Paper June Exemplar 2013 Compatibility with Devices
 - Physical Science Paper June Exemplar 2013 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Physical Science Paper June Exemplar 2013
 - Highlighting and Note-Taking Physical Science Paper June Exemplar 2013
 - Interactive Elements Physical Science Paper June Exemplar 2013
8. Staying Engaged with Physical Science Paper June Exemplar 2013
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Physical Science Paper June Exemplar 2013
9. Balancing eBooks and Physical Books Physical Science Paper June Exemplar 2013
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Physical Science Paper June Exemplar 2013
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Physical Science Paper June Exemplar 2013
 - Setting Reading Goals Physical Science Paper June Exemplar 2013
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Physical Science Paper June Exemplar 2013
 - Fact-Checking eBook Content of Physical Science Paper June Exemplar 2013
 - 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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