

SECTION A

Section - A consists of Multiple Choice type questions of 1 mark each.

1. The ratio of *HCF* to *LCM* of the least composite number and the least prime number is :

- (a) 1:2
- (b) 2: 1
- (c) 1: 1
- (d) 1: 3

Answer: (a)

Explanation:

The least composite number is 4, which has prime factors 2 and 2. The least prime number is 2.

The HCF (Highest Common Factor) of 4 and 2 is 2, because that is the largest number that divides both 4 and 2.

The LCM (Least Common Multiple) of 4 and 2 is 4, because that is the smallest number that is a multiple of both 4 and 2.

Therefore, the ratio of HCF to LCM of 4 and 2 is 2:4 or 1:2.

So the answer is (a) 1:2.

2. The roots of the equation $x^2 + 3x - 10 = 0$ are :

- (a) 2, - 5
- (b) - 2, 5
- (c) 2,5
- (d) - 2, - 5

Answer: (a)

Explanation:

Given, $x^2 + 3x - 10 = 0$

$$x^2 + 5x - 2x - 10 = 0$$

$$x(x + 5) - 2(x + 5) = 0$$

$$(x + 5)(x - 2) = 0$$

$x = 2, - 5$ are the roots of the given equation.

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The book delves into 2013 Mathematics Question Paper Ecol. 2013 Mathematics Question Paper Ecol is a vital topic that needs to be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into 2013 Mathematics Question Paper Ecol, encompassing both the fundamentals and more intricate discussions.

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- Chapter 1: Introduction to 2013 Mathematics Question Paper Ecol
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Table of Contents 2013 Mathematics Question Paper Ecol

1. Understanding the eBook 2013 Mathematics Question Paper Ecol
 - The Rise of Digital Reading 2013 Mathematics Question Paper Ecol
 - Advantages of eBooks Over Traditional Books
2. Identifying 2013 Mathematics Question Paper Ecol
 - 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 2013 Mathematics Question Paper Ecol
 - User-Friendly Interface
4. Exploring eBook Recommendations from 2013 Mathematics Question Paper Ecol
 - Personalized Recommendations
 - 2013 Mathematics Question Paper Ecol User Reviews and Ratings
 - 2013 Mathematics Question Paper Ecol and Bestseller Lists
5. Accessing 2013 Mathematics Question Paper Ecol Free and Paid eBooks
 - 2013 Mathematics Question Paper Ecol Public Domain eBooks
 - 2013 Mathematics Question Paper Ecol eBook Subscription Services
 - 2013 Mathematics Question Paper Ecol Budget-Friendly Options
6. Navigating 2013 Mathematics Question Paper Ecol eBook Formats
 - ePUB, PDF, MOBI, and More
 - 2013 Mathematics Question Paper Ecol Compatibility with Devices
 - 2013 Mathematics Question Paper Ecol Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of 2013 Mathematics Question Paper Ecol
 - Highlighting and Note-Taking 2013 Mathematics Question Paper Ecol
 - Interactive Elements 2013 Mathematics Question Paper Ecol

8. Staying Engaged with 2013 Mathematics Question Paper Ecol
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers 2013 Mathematics Question Paper Ecol
9. Balancing eBooks and Physical Books 2013 Mathematics Question Paper Ecol
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection 2013 Mathematics Question Paper Ecol
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine 2013 Mathematics Question Paper Ecol
 - Setting Reading Goals 2013 Mathematics Question Paper Ecol
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of 2013 Mathematics Question Paper Ecol
 - Fact-Checking eBook Content of 2013 Mathematics Question Paper Ecol
 - 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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web this type of positive feedback is also called hysteresis and provides a fast transition from the on to off state once turning off starts the off delay timing is mostly a function of c1 and r6 the exact delay is a bit hard to predict because it depends on

the gain of the transistors particularly of q1

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