

First Terminal Examination 2014 - 2015

Class – XI

Subject – Mathematics

Time : 3 Hours

Max. Marks : 100

General Instructions :

1. All questions are compulsory.
2. The question paper consists of 26 questions.
3. This question paper is divided into three sections A, B and C.
4. Section A comprises of 6 questions of one mark each
5. Section B comprises of 13 questions of four marks each
6. Section C comprises of 7 questions of 6 marks each
7. There is no overall choice. However, internal choice has been provided in 4 questions of 4 marks each and 2 questions of 6 marks each. You have to attempt only one of the alternatives in all such questions.

SECTION – 'A'

(1×6=6)

1. Let $A = \{1, 2\}$ and $B = \{3, 4\}$. Find the number of relations from A to B.
2. Write down the power set of A, where $A = \{\phi, \{\phi\}\}$.
3. Find x and y if $(2x + y, x - y) = (8, 3)$.
4. Simplify :

$$\frac{\cos x}{\sin\left(\frac{\pi}{2} + x\right)} + \frac{\sin(-x)}{\sin(\pi + x)} - \frac{\tan\left(\frac{\pi}{2} + x\right)}{\cot x}$$

5. Solve :

$$\frac{5 - 2x}{3} \leq \frac{x}{6} - 5 \text{ for } x \in \mathbb{R}.$$

6. Express :

$$\left\{i^{17} - \left(\frac{1}{i}\right)^{34}\right\}^2 \text{ in the form of } a + ib$$

Maths Question Paper 2014 Term And Memo

Xiang Xie



Maths Question Paper 2014 Term And Memo:

Maths Question Paper 2014 Term And Memo Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Maths Question Paper 2014 Term And Memo**," written by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we will delve to the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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Table of Contents Maths Question Paper 2014 Term And Memo

1. Understanding the eBook Maths Question Paper 2014 Term And Memo
 - The Rise of Digital Reading Maths Question Paper 2014 Term And Memo
 - Advantages of eBooks Over Traditional Books
2. Identifying Maths Question Paper 2014 Term And Memo
 - 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 Maths Question Paper 2014 Term And Memo
 - User-Friendly Interface
4. Exploring eBook Recommendations from Maths Question Paper 2014 Term And Memo
 - Personalized Recommendations
 - Maths Question Paper 2014 Term And Memo User Reviews and Ratings

- Maths Question Paper 2014 Term And Memo and Bestseller Lists
- 5. Accessing Maths Question Paper 2014 Term And Memo Free and Paid eBooks
 - Maths Question Paper 2014 Term And Memo Public Domain eBooks
 - Maths Question Paper 2014 Term And Memo eBook Subscription Services
 - Maths Question Paper 2014 Term And Memo Budget-Friendly Options
- 6. Navigating Maths Question Paper 2014 Term And Memo eBook Formats
 - ePub, PDF, MOBI, and More
 - Maths Question Paper 2014 Term And Memo Compatibility with Devices
 - Maths Question Paper 2014 Term And Memo Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Maths Question Paper 2014 Term And Memo
 - Highlighting and Note-Taking Maths Question Paper 2014 Term And Memo
 - Interactive Elements Maths Question Paper 2014 Term And Memo
- 8. Staying Engaged with Maths Question Paper 2014 Term And Memo
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Maths Question Paper 2014 Term And Memo
- 9. Balancing eBooks and Physical Books Maths Question Paper 2014 Term And Memo
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Maths Question Paper 2014 Term And Memo
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Maths Question Paper 2014 Term And Memo
 - Setting Reading Goals Maths Question Paper 2014 Term And Memo
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Maths Question Paper 2014 Term And Memo
 - Fact-Checking eBook Content of Maths Question Paper 2014 Term And Memo
 - 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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