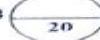
# 31 E FORMATIVE ASSESSMENT - 1 - 2022 - 23

MATHEMATICS



31110

Class: 1N 1

(English Medium) (Max. Marks : 20)

[ Time: 45 Mins.

1. Solve the problems.

 $4 \times 1 = 4$ 

- Write the exponent form of <sup>2</sup><sup>√</sup>√22
- How many times the diameter of a circle to its circumference? (Ratio represented by)
- 3. a) 20.22 2022 2022 2022 ...... is a/an \_\_\_\_\_ number.
  - b) Every multinomial need not be a polynomial. (True/False)
- 4. State the Remainder Theorem.
- II. Solve the problems.

$$2 \times 2 = 4$$

- 5. Express  $3.12\overline{7}$  in the  $\frac{P}{q}$  form.
- Is (x 1) factor of (x<sup>11</sup> 1)? Justify.
- III. Solve the following problem.

$$1 \times 4 = 4$$

- 7. Represent  $\frac{-3}{4}$  on a number line.
- IV. Solve any ONE of the following.

$$1 \times 8 = 8$$

8. a) If 'a' and 'b' are rational numbers, find the values of 'a' and 'b' in

$$\frac{\sqrt{3} + \sqrt{2}}{\sqrt{3} - \sqrt{2}} = a + b\sqrt{6}$$

(Or)

b) Find the remainder when  $2x^2 - 3x + 5$  is divided by (2x - 3).

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#### **Table of Contents Maths Sample Paper For Class Fa1**

- 1. Understanding the eBook Maths Sample Paper For Class Fa1
  - The Rise of Digital Reading Maths Sample Paper For Class Fa1
  - Advantages of eBooks Over Traditional Books
- 2. Identifying Maths Sample Paper For Class Fa1
  - 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 Sample Paper For Class Fa1
  - User-Friendly Interface
- 4. Exploring eBook Recommendations from Maths Sample Paper For Class Fa1
  - Personalized Recommendations
  - Maths Sample Paper For Class Fa1 User Reviews and Ratings
  - Maths Sample Paper For Class Fa1 and Bestseller Lists
- 5. Accessing Maths Sample Paper For Class Fa1 Free and Paid eBooks
  - Maths Sample Paper For Class Fa1 Public Domain eBooks
  - Maths Sample Paper For Class Fa1 eBook Subscription Services

- Maths Sample Paper For Class Fa1 Budget-Friendly Options
- 6. Navigating Maths Sample Paper For Class Fa1 eBook Formats
  - ∘ ePub, PDF, MOBI, and More
  - Maths Sample Paper For Class Fa1 Compatibility with Devices
  - Maths Sample Paper For Class Fa1 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Maths Sample Paper For Class Fa1
  - Highlighting and Note-Taking Maths Sample Paper For Class Fa1
  - Interactive Elements Maths Sample Paper For Class Fa1
- 8. Staying Engaged with Maths Sample Paper For Class Fa1
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Maths Sample Paper For Class Fa1
- 9. Balancing eBooks and Physical Books Maths Sample Paper For Class Fa1
  - Benefits of a Digital Library
  - o Creating a Diverse Reading Collection Maths Sample Paper For Class Fa1
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Maths Sample Paper For Class Fa1
  - Setting Reading Goals Maths Sample Paper For Class Fa1
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Maths Sample Paper For Class Fa1
  - Fact-Checking eBook Content of Maths Sample Paper For Class Fa1
  - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
- 14. Embracing eBook Trends

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