

(New Syllabus)

$$1 \times 6 = 6$$

مندرجہ ذیل سوالوں میں سے ہر ایک سوال کا صحیح جواب چنئے۔

.1

(i) ایک شراکت داری کے کاروبار میں دو دوستوں کے منافع کے حصوں کا تناسب

$$\frac{1}{2} : \frac{1}{3}$$

ہے تو ان کے رقم کا تناسب ہے

$$3 : 2 \quad (b)$$

$$2 : 3 \quad (a)$$

$$5 : 3 \quad (d)$$

$$1 : 1 \quad (c)$$

(ii) اگر  $p + q = \sqrt{13}$  اور  $p - q = \sqrt{5}$  ہو تو  $pq$  کی قیمت ہے

$$18 \quad (b)$$

$$2 \quad (a)$$

$$8 \quad (d)$$

$$9 \quad (c)$$

(iii) O کسی دائرے کا مرکز ہے اور AB ایک قطر ہے۔ ABCD ایک مشترک

المحیط ذوا ربعة الاضلاع ہے  $\angle ABC = 65^\circ$  اور  $\angle DAC = 40^\circ$

ہو تو  $\angle BCD$  کی پیمائش ہے:

$$105^\circ \quad (b)$$

$$75^\circ \quad (a)$$

$$80^\circ \quad (d)$$

$$115^\circ \quad (c)$$

(iv) اگر  $\tan \alpha + \cot \alpha = 2$  ہو تو  $\tan^{13} \alpha + \cot^{13} \alpha$  کی قیمت

ہے:

$$2 \quad (b)$$

$$13 \quad (a)$$

$$0 \quad (d)$$

$$1 \quad (c)$$

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**Richard Bailey**



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## **Table of Contents N1 Maths Question Paper For 27march2014**

1. Understanding the eBook N1 Maths Question Paper For 27march2014
  - The Rise of Digital Reading N1 Maths Question Paper For 27march2014
  - Advantages of eBooks Over Traditional Books
2. Identifying N1 Maths Question Paper For 27march2014
  - 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 N1 Maths Question Paper For 27march2014
  - User-Friendly Interface
4. Exploring eBook Recommendations from N1 Maths Question Paper For 27march2014
  - Personalized Recommendations
  - N1 Maths Question Paper For 27march2014 User Reviews and Ratings
  - N1 Maths Question Paper For 27march2014 and Bestseller Lists
5. Accessing N1 Maths Question Paper For 27march2014 Free and Paid eBooks

- N1 Maths Question Paper For 27march2014 Public Domain eBooks
  - N1 Maths Question Paper For 27march2014 eBook Subscription Services
  - N1 Maths Question Paper For 27march2014 Budget-Friendly Options
6. Navigating N1 Maths Question Paper For 27march2014 eBook Formats
- ePub, PDF, MOBI, and More
  - N1 Maths Question Paper For 27march2014 Compatibility with Devices
  - N1 Maths Question Paper For 27march2014 Enhanced eBook Features
7. Enhancing Your Reading Experience
- Adjustable Fonts and Text Sizes of N1 Maths Question Paper For 27march2014
  - Highlighting and Note-Taking N1 Maths Question Paper For 27march2014
  - Interactive Elements N1 Maths Question Paper For 27march2014
8. Staying Engaged with N1 Maths Question Paper For 27march2014
- Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers N1 Maths Question Paper For 27march2014
9. Balancing eBooks and Physical Books N1 Maths Question Paper For 27march2014
- Benefits of a Digital Library
  - Creating a Diverse Reading Collection N1 Maths Question Paper For 27march2014
10. Overcoming Reading Challenges
- Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine N1 Maths Question Paper For 27march2014
- Setting Reading Goals N1 Maths Question Paper For 27march2014
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of N1 Maths Question Paper For 27march2014
- Fact-Checking eBook Content of N1 Maths Question Paper For 27march2014
  - 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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