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کل نمبر: 60

ریاضی
وقت: 2.10 گھنٹے

﴿پہلا گروپ﴾

نوٹ: حصہ اول لازمی ہے۔ حصہ دوم میں سے کوئی سے تین (3) سوالوں کے جوابات لکھئے۔

(حصہ اول)

(6 x 2 = 12)

2- کوئی سے چھ سوالات کے مختصر جوابات تحریر کیجئے:

- i- مساوی سیٹ کی تعریف کیجئے۔
- ii- ششائی ربط کی تعریف کیجئے۔
- iii- x کی قیمت معلوم کیجئے جبکہ $(x - 1, y + 2) = (2x + 4, -4)$
- iv- متکاشن سے کیا مراد ہے؟
- v- $(\sqrt{2} + \sqrt{7})$ کا مختصر کیجئے۔
- vi- کیا سیٹ $\{0, -1\}$ خاصیت بندش بلحاظ جمع اور ضرب رکھتا ہے؟
- vii- 0.224 کو سائنسی ترتیب میں لکھئے۔
- viii- خاصہ کی تعریف کیجئے اور مثال دیجئے۔
- ix- اگر $\log_x 81 = 2$ ہو تو x کی قیمت معلوم کیجئے۔

(6 x 2 = 12)

3- کوئی سے چھ سوالات کے مختصر جوابات تحریر کیجئے:

- i- $y^2 + \frac{1}{4}$ کو مکمل مربع بنانے کیلئے کیا جمع یا تفریق کیا جائے؟
- ii- $x^2 + y^2$ کی قیمت معلوم کیجئے جبکہ $x - y = 8, xy = -15$
- iii- ترتیب صعودی سے کیا مراد ہے؟
- iv- تجزی سے کیا مراد ہے؟
- v- $1 - x^6$ کی تجزی کیجئے۔
- vi- $\frac{1}{x^2y^4} + x^2y^4 - 2$ کا جذر الرقع معلوم کیجئے۔
- vii- $x^2 - 16, x^3 + 64$ کا عاوا عظم معلوم کیجئے۔
- viii- x^2, xy, x^2y^2 کا ذواضعا ق اقل معلوم کیجئے۔
- ix- $\frac{a+b}{a^2+ab+b^2} + \frac{1}{a-b} - \frac{ab}{a^3-b^3}$ کو مختصر کیجئے۔

(6 x 2 = 12)

4- کوئی سے چھ سوالات کے مختصر جوابات تحریر کیجئے:

- i- وتری قائب کی تعریف کیجئے۔
- ii- x کی قیمت معلوم کیجئے جبکہ $x + \begin{bmatrix} 3 \\ 4 \end{bmatrix} = \begin{bmatrix} -4 \\ 3 \end{bmatrix}$
- iii- $\begin{bmatrix} 1 & 5 \\ 3 & p \end{bmatrix} \begin{bmatrix} q \\ 7 \end{bmatrix} = \begin{bmatrix} 35 \\ 10 \end{bmatrix}$ سے p اور q کی قیمتیں معلوم کیجئے۔
- iv- متعارف کی تعریف کیجئے۔
- v- مربع اور متین کا فرق شکل بنا کر واضح کیجئے۔
- vi- متناظرہ زاویوں کی تعریف کیجئے۔
- vii- مثلث بنائے جس کے اضلاع کی لمبائیاں 3.5 سم، 4.1 سم اور 4.4 سم ہوں۔
- viii- عمودی تا صاف کی تعریف کیجئے۔
- ix- مثلث کے ارتفاع کی تعریف کیجئے۔

(حصہ دوم)

(ہر سوال کے 8 نمبر ہیں اور ہر جزو کے 4 نمبر ہیں)

5- اگر $A = \{a, b, c\}, B = \{b, d, f\}, C = \{a, f, e\}$ تو ثابت کیجئے کہ
 $(A \cap B) \cup (A \cap C) = A \cap (B \cup C)$

ب) $x^2 + \frac{1}{x^2}$ کی قیمت معلوم کیجئے اگر $x = \sqrt{2} - 1$

6- لوگار تھم کی عدد سے $\frac{(8.97)^2 \times (1.059)^3}{57.7}$ کی قیمت معلوم کیجئے۔

ب) $x^2 + \frac{1}{x^2} = 2$ کی قیمت معلوم کیجئے جبکہ $x + \frac{1}{x}$

7- $64a^2 - 343b^3 - 4a + 7b$ کی تجزی کیجئے۔

ب) $4x^3 - 3x^2 - 24x - 9$ اور $8x^3 - 2x^2 - 53x - 39$ کا عاوا عظم پڑائیے

8- قائبوں کی عدد سے کل سیٹ معلوم کیجئے۔

ب) $2x - 5y = 1$; $3x + 4y = 36$ مثلث ABC کے اضلاع کے عمودی تا صاف کیجئے جس میں

9- ثابت کیجئے کہ اگر کسی مثلث کے دو اضلاع باہم متوازی ہوں تو ان اضلاع کے مخالف زاویے بھی متوازی ہوتے ہیں۔

Matric Maths Paper 2012

Jill Adler, Anna Sfard



Matric Maths Paper 2012:

The book delves into Matric Maths Paper 2012. Matric Maths Paper 2012 is a vital topic that must be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Matric Maths Paper 2012, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:

- Chapter 1: Introduction to Matric Maths Paper 2012
- Chapter 2: Essential Elements of Matric Maths Paper 2012
- Chapter 3: Matric Maths Paper 2012 in Everyday Life
- Chapter 4: Matric Maths Paper 2012 in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, this book will provide an overview of Matric Maths Paper 2012. The first chapter will explore what Matric Maths Paper 2012 is, why Matric Maths Paper 2012 is vital, and how to effectively learn about Matric Maths Paper 2012.
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4. In chapter 3, this book will examine the practical applications of Matric Maths Paper 2012 in daily life. This chapter will showcase real-world examples of how Matric Maths Paper 2012 can be effectively utilized in everyday scenarios.
5. In chapter 4, this book will scrutinize the relevance of Matric Maths Paper 2012 in specific contexts. The fourth chapter will explore how Matric Maths Paper 2012 is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, the author will draw a conclusion about Matric Maths Paper 2012. This chapter will summarize the key points that have been discussed throughout the book.

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