

CARMEL JUNIOR COLLEGE
SONARI, JAMSHEDPUR
FINAL TERMINAL EXAMINATION

NAME : ADITYA ANSHAL KANDULNA CLASS: 6D

ROLL NO : 6 SUB : MATH

DATE :
15/02/2022

Arora

NAME-ADITYA ANSHAL KANDULNA CLASS-6D Roll No-6

Q1

Ans →

1. 100

2. 256.92

3. 0.125

$$\begin{array}{r} 265.4 \\ 10 \overline{) 2654} \\ \underline{-208} \\ 065 \\ \underline{-60} \\ 54 \\ 8.48 \end{array}$$



265.4

265.40

8.48

256.92

Q2

Ans →

1. A = {MATHEMATICS}

2. E = {10, 20, 30, 40, 50, 60, 70, 80, 90, 100}

3. G = {3}

125000

125
+ 3
375

2
16

34

375

+ 36
411

Q3

Ans →

$$\begin{aligned} & x^2 - 11b + 3x^3 - 4d^4 \\ & = 6^2 - 11 \times 0 + 3 \times 5^3 - 4 \times 2^4 \\ & = 36 - 0 + 3 \times 125 - 4 \times 16 \\ & = 36 + 375 - 64 \\ & = 411 - 64 \\ & = 343 \text{ Ans} \end{aligned}$$

Arora

NAME-ADITYA ANSHAL KANDOLNA CLASS-6D Roll No-6

Q4 Ans →

1. The price of the shirt = RS 580

The increase on its price = 25%

$$= \frac{25}{100} \times 580$$

$$29 \times 5$$

$$= 145 \text{ Ans}$$

Q5 Ans →

$$3(5x-2)-4(x+4)=7(x-1)+1$$

$$= 15x-6-4x+16=7x-7+1$$

$$= 15x-4x-22=7x-6$$

$$= 11x-22=7x-6$$

$$= 11x-7x=22-6$$

$$= 4x=16$$

$$= x = \frac{16}{4}$$

$$x = 4 \text{ Ans}$$

$$\begin{array}{r} 2100 \\ - 1696 \\ \hline 404 \end{array}$$

$$\begin{array}{r} 800 \\ + 404 \\ \hline 1204 \end{array}$$

Q6 Riya marks in english = 400

marks in Maths = 800

marks in Science = 900

$$= 400 + 800 + 900$$

$$= 2100 - 275 + 656 + 765$$

$$= 2100 - 1696$$

$$= 404 \text{ Ans}$$

$$\begin{array}{r} 1200 \\ + 900 \\ \hline 2100 \end{array}$$

$$\begin{array}{r} 11 \\ 275 \\ + 656 \\ \hline 931 \end{array}$$

$$\begin{array}{r} 931 \\ + 765 \\ \hline 1696 \end{array}$$

Answer

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Q8 Ans →

$$\begin{array}{r} 1000 \\ \times 6.06 \\ \hline 6000 \\ 60000 \\ \hline 60600 \end{array}$$

II

Q1 Ans →

$$\begin{array}{r} 0.001 \\ \times 935 \\ \hline 0.005 \\ 3 \times \end{array}$$

1. $1 \text{ Kg} = 1000 \text{ gm}$

$$= 6.06 \times 1000$$

$$= 6.06,000 \text{ Ans}$$

2. $1 \text{ gm} = 0.001 \text{ Kg}$

$$= 935 \times 0.001 \text{ Kg}$$

$$= 0.935$$

$$\begin{array}{r} 100 \\ \times 93 \\ \hline 300 \\ 900 \times \\ \hline 9300 \end{array}$$

3. $1 \text{ P} = 100 \text{ Rs}$

$$= 93 \times 100 = 0.93$$

$$= 42.09 + 0.93$$

$$= 43.02 \text{ Ans}$$

$$\begin{array}{r} 93/100 \\ 42.09 \\ + 0.93 \\ \hline 43.02 \end{array}$$

Answer

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4. $9456 \text{ gm} = 0.001 \text{ kg}$

$= 9456 \times 0.001 \text{ kg} = 9.456$

$= 0.567 - 9.456$

$= -8.899$

Q2 Ans →

1. finite

2. infinite

3. 1 and 3

4.

Q3 Ans →

1.

2. $A = \{\text{Tuesday}\}$

3. $A = \{\text{Saturday, Sunday}\}$

4. $M = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$

Aravind

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Q4 Ans →

$$1. 23.07$$

$$\frac{12}{52} \times 100 = 23.07$$

$$2. \frac{100}{8} \times \frac{16}{1} = 1600 \text{ Ans}$$

$$\frac{16}{8} = 2$$

Q5 Ans →

$$\frac{56}{90} = 0.622$$

Q6 Ans →

$$\frac{30}{90} = 0.333$$

a. Formula of Rectangle = $2 \times (l + b)$
 $= 2 \times (56 + 34)$
 $= 2 \times 90$
 $= 180 \times 30$
 $= \text{Rs } 5400 \text{ Ans}$

$$\frac{1}{13} = 0.077$$

b. Area of the square field = 169 sq
 Its each side = $\sqrt{169} = 13 \text{ sq}$
 Perimeter of the square field = $4 \times \text{side}$
 $= 4 \times 13 \text{ sq} = 52 \text{ sq}$

Ans

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$$7. \frac{3^3 \times 5^3 \times 4^2}{54}$$

$$= \frac{27 \times 125 \times 16}{54}$$

$$= \frac{54000}{54}$$

$$= 1000$$

$$\begin{array}{r} 27 \\ \times 16 \\ \hline 162 \\ 27 \times \\ \hline 432 \end{array}$$

$$= 86.4 \text{ Ans}$$

$$\begin{array}{r} 5 \overline{) 43296} \\ - 40 \\ \hline 32 \\ - 30 \\ \hline 20 \\ - 20 \\ \hline 0 \end{array}$$

$$8. a. 2^4 - 6 \times 2^3 + 5 \times 2^2 - 3 \times 2$$

$$= 16 - 6 \times 8 + 5 \times 4 - 6$$

$$= 16 - 48 + 20 - 6$$

$$= 32 - 4$$

$$= 28 \text{ Ans}$$

b. 12, 13 and 14

$$9. 1. \text{Formula} = 2 \times (l + b)$$

$$= 2 \times (2 + 5)$$

$$= 2 \times 7$$

$$= 14 \text{ cm}$$

$$2. \text{Formula} = 2 \times (l + b)$$

$$= 2 \times (1.44 + 1.0 \text{ m})$$

$$= 2 \times 2.44$$

$$= 4.88 \text{ m}$$

$$\begin{array}{r} 1.44 \\ + 1.0 \\ \hline 2.44 \\ \times 2 \\ \hline 4.88 \end{array}$$

Agrata

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$$\begin{array}{r} 10. \quad 28.0546 \\ + 43.9622 \\ \hline 72.0168 \end{array} \quad \begin{array}{r} 17.7625 \\ + 36.4780 \\ \hline 54.2405 \end{array}$$

$$\begin{array}{r} 72.0168 \\ - 54.2405 \\ \hline 17.7663 \end{array}$$

$$= 17.7663 \text{ Ans}$$

III
Q 1

Ans →

$$1. \quad \begin{array}{r} 13 \\ 650 \times 24 \\ \hline 15600 \end{array} = 156 \text{ Ans}$$

$$6. \quad \begin{array}{r} 27 \\ 135 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 13 \\ \times 12 \\ \hline 26 \\ 130 \\ \hline 156 \end{array}$$

$$2. \quad \cancel{175}$$

$$= 27:20$$

$$\begin{array}{r} 35 \\ \times 5 \\ \hline 175 \end{array}$$

$$3. \quad \cancel{35} \times \cancel{100} \quad \begin{array}{r} 35 \\ \times 500 \\ \hline 17500 \end{array} = 175 \text{ Ans}$$

Ans

4.

$$5. \quad 0.87$$

6.

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2.

1. 158

2. 128

156
- 128
028

3. 4

4. 22

Q6

Ans →

6.

1. 5

2. 12

3. Chocolate

4. Vanilla, caramel

5. Mint

6. 16

Agarwal

