



Jaffna Hindu College

1st Term Evaluation Exam - 2022

Grade - 07

Mathamatic


Time : 2.00 Hours

Name / Index No :

Part - I

❖ Answer all the questions.

01. If the price of a pen is Rs. 16.00. Find the price of 12 such pens.

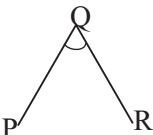
02.  How many axes of symmetry in the given figure

03. What is the value represented by 6 in the number 65478.

04. Write the following expression as index notation.

$$3 \times 3 \times x \times x \times x =$$

05. Write $\frac{18}{24}$ in simplest form.

06.  If $\hat{PQR} = 35^\circ$, find the value of reflex angle \hat{PQR}

07. Simplify: $9.42 - 6.75$

08. Write 7.04 kg in grammes.

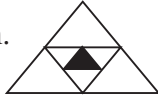
09. Write 3, -5, 0, -4 and 9 in ascending order.

10. Simplify. $\frac{1}{4} + \frac{3}{12}$

11. Write the 8th triangular number.

12. Write 343 in index notation with 7 as the base

13. Write the shaded part as a fraction.



14. A solid constructed by joining two regular tetrahedrons. Find the number of vertices, faces and edges.

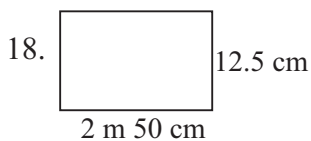
15. How many seconds are there in a day?



16. i. What type of angle is the movement of hour hand, when time changes from 12:00 to 16:00.

ii. Find the magnitude of the above angle.

17. The number 13 4 is divisible by both 4 and 6. Find the suitable digit for the empty space.



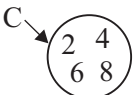
Find the perimeter of the given figure?

19. Measure the perpendicular distance from point X to the straight line AB.

20. H.C.F and L.C.M of two numbers are 4 and 28 respectively. If one of the number is 16. Find the other number.

Part - II

❖ Answer only five questions

01. A) i. $A = \{\text{Talented student}\}$
A student said "A is a set". Is this statement correct? Give the reason. .
- ii. $B = \{\text{Letters of the word "MAHARAGAMA"}\}$
write the elements of set B
- iii. How many bilateral symmetric elements are there in this set? What are they?
- iv.  Express the set C in terms of a common property of its elements. .

B) simplify

- i. $45 \times 3 + 12$
- ii. $24 - 4 \div 2 \times 5 + 2$
- iii. $144 \div 6 + (15 \times 5 \times 3)$

02. A) i. when is the leap year next to 1896
- ii. The period of AD 1948
- which decade does it belongs to
 - which century does it belongs to .
 - which millennium does it belongs to

B) Add

- | | | | |
|----|-------|------|--------|
| i. | Day | Hour | Minute |
| | 3 | 15 | 39 |
| | 2 | 44 | 54 |
| | <hr/> | | |
| | <hr/> | | |

Subtract

- | | | | |
|-----|-------|-----|------|
| ii. | Month | Day | Hour |
| | 5 | 10 | 15 |
| | 3 | 15 | 21 |
| | <hr/> | | |
| | <hr/> | | |

- C) Kumar's father is 29 years 5 months and 26 days older than kumar. Kumar's date of birth is 2005-02-04 what is the kumar's farther's date of birth.

03. A) i. write all the factors of 36.
- ii. write the prime factors of 60
- iii. Find the H.C.F of 24, 36 and 60.
- iv. Find the L.C.M of 24, 36 and 60.

- B) i. Fill in the blank $625 = \square^4$
- ii. write in expanded form and find the value of $3^2 \times 4^3$
- iii. Find the value of $5a^2 b^3$. If $a=4$ and $b=5$

04. A) Fill in the blanks by using the symbol > and <.

- i. (-5) (+2)
- ii. 0 (-1)
- iii. (+4)..... (-15)

B) Add these by using the number line.

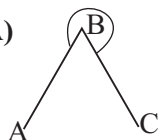
- i. (-1)+4
- ii. (-3)+(-2)

C) Find the Value.

- i. $(-\frac{2}{5})+(-\frac{3}{5})$
- ii. $(+5.4)+(-2.7)+(+6.9)$
- iii. $(-3.47)+(+5.91)$

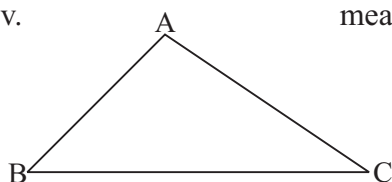
- 05. i.** Draw a straight line segment $AB = 6\text{cm}$
ii. Draw an angle $\angle ABC = 135^\circ$ by using the protractor
iii. Mark the point C such that $BC = 6\text{cm}$.
 obtain a triangle ABC by joining the points.
iv. Draw a straight line through C parallel to BA
v. Mark the point D such that $CD = 6\text{cm}$.
vi. Join the points A and D.
vii. Measure the length AD
viii. Write the special name of quadrilateral ABCD.
ix. Draw the axes of symmetry in the figure.

06. A)



- i. what type of angle is shown in the figure.
- ii. write vertex and arms shown in the figure.
- iii. Name the angle shown in the figure.

iv. measure the following angles



- i) $\angle ABC = \dots\dots\dots$
- ii) $\angle BAC = \dots\dots\dots$
- iii) $\angle ACB = \dots\dots\dots$

v. Find the value of $\angle ABC + \angle BAC + \angle ACB$

B) write the following numbers in the appropriate column of the table given below.

11727, 24004, 810534, 6654, 5200, 1573

The number is divisible by 3	The number is divisible by 4	The number is divisible by 6	The number is divisible by 9