



# JAFFNA HINDU COLLEGE

## First Term Exam - 2023

Grade - 06

Mathematics

Time: - 2 Hours

Name/Index No: .....

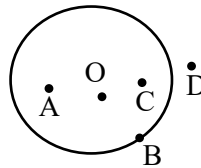
### Part – I

❖ Answer the all questions on this paper it self

01) According to the figure

i. Name a point on the circle

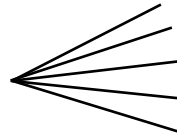
ii. Name a point outside the circle



02) What is the smallest angle between the two arms when the time is 9 O'clock?

03) Find the number represented by  $1000 \times 8 + 100 \times 0 + 10 \times 9 + 1 \times 3$

04) How many acute angles are there in this figure?



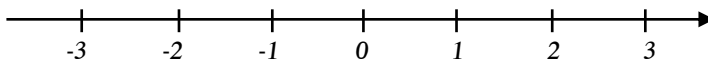
05) Round off 999995 to the nearest multiple of 10 and write the answer in standard form

06) The table shows the time Akshayan goes to bed at night and the time he wakes up in the morning. Fill in the blanks in the table

Situation	Time according to 12 hour clock	Time in standard form
Goes to bed at night	10.30 pm	.....
Wakes up in the morning	.....	04 : 45

07) Find the quotient and the remainder of  $3072 \div 9$

08) Mark all the integers between -2 and 1, on the number line given below



09) Write two directions which are perpendicular to south-west?

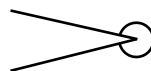
10) What is the value of 6 in the number 46 075

11) Give the name of the instrument used to decide whether a build wall in vertical

12) Simplify  $203 \times 1000$

13) If the price of 9 books is Rs. 1809, find the price of 3 books

14) Write the type of the angle shown in the figure



15) Write 1.30 pm in international standard form

16) Simplify  
 $37 + 101 - 95$

17) How many zeros are in one billion?

18) If the following estimates are correct use a ( $\surd$ ) and if it is wrong use (x)

i. Large 25 coconuts can be put in your school bag ( )

ii. It takes 20 minutes for a person to work 1 km without getting tired ( )

19) Simplify  $37 \times 25$

20) A boy has three types of identical balls that differ from colour. 7 balls are not blue, 6 balls are not green and 5 balls are not yellow. Find the total number of balls with him

(20 x 2 = 40 marks)

## Part – II

### ❖ Answer the five question

(01)

(a) Represent 207 on an abacus.

(b) Express in word 34 202

(c) Simplify the following

i.  $97 \times 109$

ii.  $14424 \div 24$

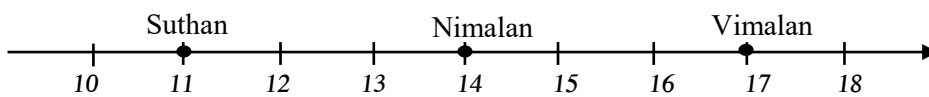
iii.  $\frac{30 \times 700}{10}$

iv.  $19000 \times 0$

(3 + 2 + 2 + 2 + 2 + 1 = 12 marks)

(02)

(a) The age of 3 students can be shown in number line



- What is the name of the youngest student?
- Mathan's age is 13, denote the age on the above number line?
- What is the difference of the age between the eldest and the youngest student?
- What will be the age of Vimalan when Suthan is 14 years old?

(b) Fill in the blanks using either the sign  $>$  or sign  $<$

i.  $3 \_ \_ \_ (-3)$

ii.  $(-6) \_ \_ \_ (-2)$

iii.  $\frac{1}{2} \_ \_ \_ 0$

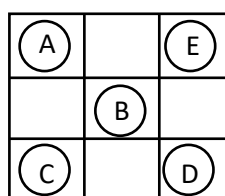
iv.  $0 \_ \_ \_ (-1)$

(2 + 2 + 2 + 2 + 1 + 1 + 1 + 1 = 12 marks)

(03)

(a) The following figure is a vertical pigeon cage. The pigeons are named as A, B, C, D and E

Fill in the blanks with the aid of the figure



- i. The pigeon hole with pigeon E lies horizontal to the pigeon hole with pigeon.....
- ii. The pigeon hole with pigeon C lies ..... to the pigeon hole with pigeon A.
- iii. The pigeon holes with pigeons D and C lie on the same .....plane.

(b) Write the following numbers in ascending order

0,-3, 8,-2

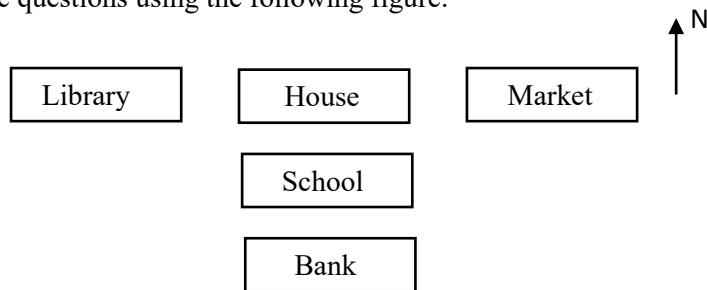
(c) Draw a circular pattern.

(d) Round off 196 to the nearest multiple of ten

(2+ 2+ 2 +2 +2 +2 = 12 marks)

(04)

(a) Answer the questions using the following figure.



- i. In which direction is the market from the school?
- ii. What is the direction of the library with respect to the market?
- iii. Fill in the blank.  
The .....is to the north-east of the library.
- iv. What are the located to the east of library?

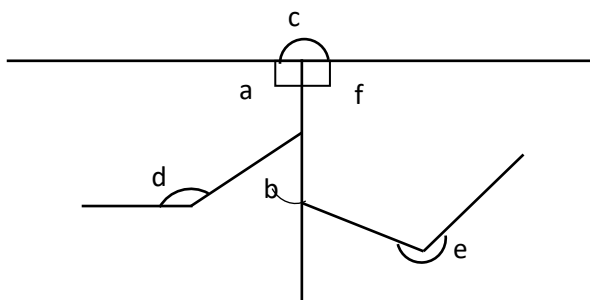
(b) Complete the magic square.  
The sum along the rows, columns and diagonals is 15.

		4
7		3
	1	

(2 + 2 + 2 + 2 + 4 = 12 marks)

(05)

(a) The street map of a certain village is shown in the given diagram. The English alphabets denote the angles.



Fill in the table

a	
	Straight angle
e	
d	
	Acute angle

(b) In the number 8134579089

- i. Write the standard form?
- ii. Write in words
- iii. What is the place value of 5?
- iv. What is the value represented by 4?

5+1+2+2+2= 12 marks)

(06)

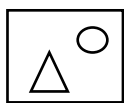
(a) Join the pairs that express the same time

- |             |                    |
|-------------|--------------------|
| 120 seconds | 3 days             |
| 250 minutes | 96 hours           |
| 4 days      | 2 minutes          |
| 90 hours    | 4 hours 10 minutes |

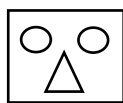
(b) Add

Hours	Minutes	Seconds
2	27	42
+ 3	41	30

(c)



Rs. 42



Rs. 67

What is the value represented by ○?

(8+2+2=12 marks)