

# Zonal Education Office - Vadamaradchy

## Third Term Examination- 2023 (2024)



Grade - 06

Mathematics

Time : 2.00 Hours

### Part I

Answer All Questions.

1) Write the number 2020102 in standard form and words too.

2) Express the time 03 : 25 in 12 hour clock time

3) Consider the statement related parallelogram and mark the symbol (✓) for correct statement and symbol (X) for incorrect statement.

Opposite sides equal in length	
The gap between one pair of opposite sides is constant	

4) Write the number 0.05 in simplest fraction.

5) Fill in the empty cages.

1)  $8 : \square = 4 : 1$

2)  $7 : 8 = \square : 64$

6) Fill in the blanks using the symbols. > or or <

$\frac{3}{5}$  — 0.65

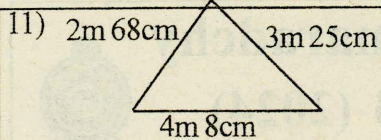
7) The breadth of the rectangles is x units The length of the rectangle is 1 unit less than the twice the breadth. Write an algebraic expression for length in terms of x.

8) Find the value of  
 $1.23 + 0.8$

9) Write the largest number which is written using the digits 2, 6, 0 and 5 exactly once and write the value represented by 5 in this number.

10) Find the value of  $x^2 + y$  when  $x = 4$  and  $y = 3$



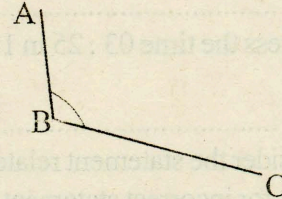


Find the perimeter of the figure given below.

12) Write down 1985mg, 0.001kg and 1.2g in accending order.

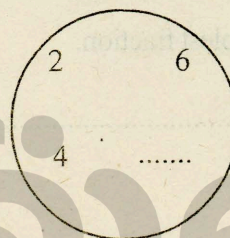
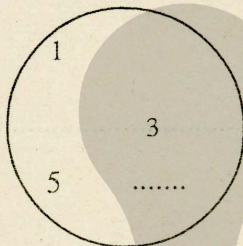
13) If the price of an egg is Rs. 48, Find the price of 25 eggs.

14) What type of angle in the figure.



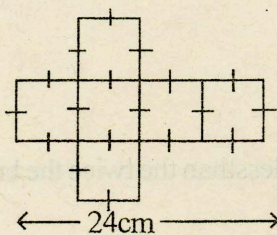
15) Mark the number 2 and -1 on a number line.

16) Some whole number which are below 10 are separated into two groups using the common property. Identify the common property and write the suitable numbers in the blanks.



17) Write the standard form of the day of 2023 december 1st.

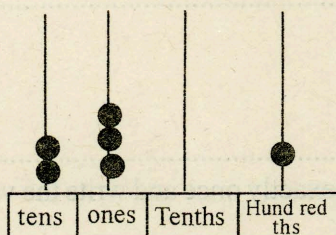
18)



1) Write the name of the solid that can be maded using the given net.

2) What is the length of an edge of the solid.

19)



1) Write the number represented on abacus

2) Write the number in words.

20) Find the number which is multiple of 8 is rounded off to the multiple of 10 is 100?

(20 x 2 = 40 Marks)



## Part - II

**Answer only five questions.**

**01.**

a) Fill in the blanks using the symbol > or <

i)  $\frac{1}{2}$    $\frac{1}{3}$

ii)  $\frac{2}{3}$    $\frac{4}{5}$

b) Write in ascending order.

$\frac{1}{3}, \frac{2}{5}, \frac{3}{4}, \frac{1}{2}$

c) Simplify

i)  $\frac{3}{8} + \frac{1}{8}$

ii)  $\frac{5}{8} - \frac{1}{4}$

iii)  $\frac{7}{12} - \frac{5}{12} + \frac{1}{12}$

b) In a basket there are  $\frac{2}{5}$  of red flowers and  $\frac{1}{5}$  of white Flowers. Rest are the Yellow flowers.

i) What is the total red flower and white flower as fraction.

ii) what is the fration of yellow flower

(1+1+2+1+2+1+2+2 = 12 Marks)

**02. a)**

1) Expand :  $x^3$

2) Expand and find the value of  $2^3 \times 3^2$

b) Fill in the empty cages.

$256 = 2^{\square} = \square^4$

c) 1, 2, 3, 4, 6, 8, and 12 are the factors of a number, find that number?

d) fill in the empty eages some steps are given to convert the fration in to decimal numbers.

$$\frac{47}{100} = \frac{\square}{100} + \frac{7}{100} = \frac{40}{\square} + \frac{7}{100} = 0.4 + \square$$

(1+2+4+2+3= 12 Marks)

**03. a)**

1) Denote the number 17 by tally marks.

2) Write the number represented by the tally mark of

||||

||||

||||

||||

||||

||||



b) The picture graph represents Subjects preferred by students.

Maths	⊗ ⊗ ⊗ ⊗ ⊗
Tamil	
Science	⊗ ⊗ ⊗
English	⊗ ⊗
History	⊗ ⊗ ⊗ ⊗ ○

36 Students are represented by the symbol ⊗

- Find the number of students who like maths.
- If the number of students who like tamil is 171, Draw the picture graph to tamil.
- How many difference between students who like English than History.
- Write as the simplest fration of number of students who like to science of total number of students

c) Write the all type angles found in the letter 'A'

(1+1+2+2+2+2+2= 12 Marks)

04.

- In the integers from 1 to 20.
  - Write all multiples of 2.
  - Write all prime nmubers.
  - Write all triangular numbers.
  - Write all composite number.

b) Some of three triangular numbers below 30 is equal 7th square number. write those three triangular numbers.

c) Write in decending order.

-1, 1, -3, 0, -5, 2

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

05. a)

i) Fill in the blanks using given information.

Vegetable	Need quantity for a week	Price of 1kg (Rs)	Cost for a week
Onion	2kg	350.00	.....
Potatoes	.....	280.00	490.00
Greed Chilly	250g	1080.00	.....
Brinjal	.....	480.00	600.00

- Find the total mass of Vegetables for a week.
- Estimate amount of expenditure for a month by finding the expenditure. for a week.  
(Take that There are four week in a month)

b) When a softdrink of 3 / 16m / is divided equally in to 8 bottles, Find amount of soft drink is filled in a bottle.

(4+2+3+3 = 12 Marks)



06.

- a) When an amount of money is divided A to B in the ratio 13 : 7, the amount A received is Rs3250. Find the amount B received.
- b) Express 4km in m?
- c) Ravi travels 45km from A towards in the direction west, then travels 20km from B towards C in the direction north then travels 45km from C towards D in the direction of east.
- 1) Draw a diagram.
- 2) Write the direction of B from D.
- d)
- i) Express  $1\frac{1}{2}$  hours in minutes.
- ii) Ravi left from school at 1.45pm. he reached home in 55minutes. what time he reached the home.
- (3+2+2+2+1+2 = 12 Marks)

