

# ANULA VIDYALAYA-NUGEGODA

# THIRD TERA TEST - 20192019

# GRADE - 6

## MATHEMATICS

2 HRS

INDEX NO.....

## **Part I**

**Answer all questions on this paper itself.**

1. Name two objects can be used to draw circular shapes.

2. Write today in international standard form.

3.

I. Write the number 73802975 in standard form .....

II. Write the number in words.....

#### 4. Fill in the blanks

150 minutes=..... hours .. minutes ..

5. Write two relations using inequality signs associating the marked numbers on the number line given below.

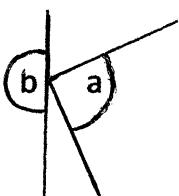


6. Write two numbers less than 30 which are multiples of both 3 and 4.

7. What are the types of angles shown by **a** and **b** in this diagram.

a. ....

b. ....



8. Represent 13.02 on an abacus.

9. The manner of using weights to measure a mass of 330 g is shown below. Complete the blank cages.

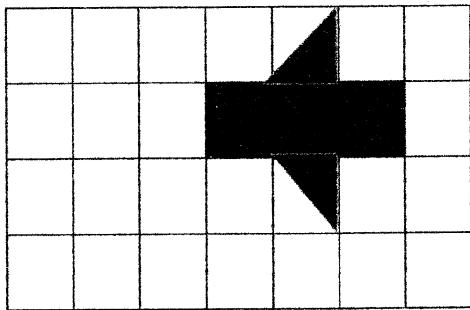
$$330 \text{ g} = \boxed{200\text{g}} + \boxed{\quad} + \boxed{50\text{g}} + \boxed{\quad} + \boxed{20\text{g}}$$

10. Fill in the blanks selecting the suitable value from the brackets.

I.  $7, \boxed{\quad} \text{ s is } \frac{7}{5}$   $\left[ \frac{5}{7}, \frac{1}{5}, \frac{1}{7} \right]$

II.  $3, \frac{1}{8} \text{ s is } \boxed{\quad}$   $\left[ \frac{3}{8}, \frac{8}{3}, \frac{3}{5} \right]$

11. Find the area of the shaded figure which has been drawn on a 1 cmx1cm square grid.



12. Write the number of

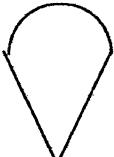
Edges.....

Vertices..... of a regular tetrahedron.

13. When a child stands with his arms stretched out, facing the East, find the direction indicated by his left hand.

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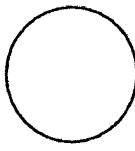
14. Select and underline the rectilinear plane figures from the following figures.



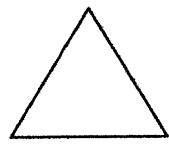
(a)



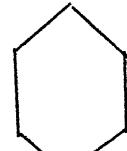
(b)



(c)



(d)



(e)

15. How many 200 ml capacity of glasses can be filled with a bottle of 2 l of water?

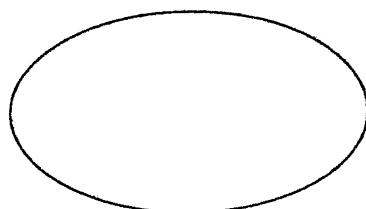
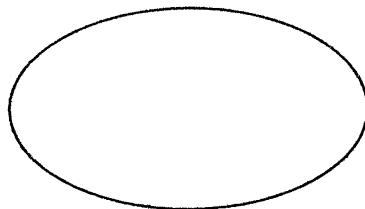
16.

- I. Show  $2 \times 2 \times 3 \times 3 \times 3$  in index notation.....
- II. Find the value of  $2^3 \times 4^2$  =.....

17. Separate following numbers into two groups according to a common feature and name two groups considering the common feature.

21, 22, 23, 24, 25, 26, 27, 28, 29

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18. If 2 l of ice cream is enough for 15 children, how many litres of ice cream needed for 60 children?

19. Simplify  $\frac{5}{7} - \frac{8}{14}$

20. The number of biscuits in a box is a multiple of 4. The rounded off value to the nearest 10 of that number is 30. Write two values for the number of biscuits that have been in the box.

## Part II

**Answer the first question and another 4 questions only.**

1. The information collected regarding the number of different types of trees in a garden is given below.

Type of the tree	Tally mark	No. of trees
Mango	IIII III	8
Guava	IIII	.....
Coconut	.....	12
Arecanut	IIII II	.....
Jack	.....	6

- I. Copy the table into your answer sheet and complete the table.
- II. Denote 2 trees by the symbol  and represent the above data in a picture graph.
- III. Which type is the greatest number of trees in this garden?
- IV. How many arecanut trees are there more than the number of mango trees?
- V. Amaya says, the sum of the number of mango trees and the number of guava trees is equal to the number of arecanut trees. Is this statement true? Give reasons.

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2. A mason says that two pans of cement and eight pans of sand are mixed together to make a cement mixture.

- I. Write the ratio between cement and sand in the mixture and keep it in the simplest form.
- II. Show this ratio as a fraction .
- III. How many pans of cement are needed to be mixed with sixteen pans of sand to make this mixture in same ratio.
- IV. Find the number of cement pans and sand pans that are required to make 25 pans of the mixture.

3.

I. State whether the answer of each of following expressions is even or odd without solving.

a.  $45+23 = \dots$  b.  $28-17 = \dots$

II. Complete the next row as given in the first four rows.

$1 = 1$

$1+3= 4$

$1+3+5=9$

$1+3+5+7= 16$

.....

III. a. Write the sum of first five whole numbers.

b. Which triangular number is got by you?

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iv. Write first five numbers starting at 1 and consisting of square numbers that are not odd.

4.

i. a. Write the smallest four digit number can be written using all the digits 3,6,7 and 0 once.

b. What is the value represented by 6 of the above answer?

ii. Simplify.

a.  $597$

$+ 298$

=====

b.  $6000$

$- 2385$

=====

c.  $235$

$\times 63$

=====

d.  $8 \overline{)432}$

5. Several decimal numbers represented by the teacher on the white board are shown below.

0.7 0.25 1.32 0.07

- i. How 1.32 is read?
- ii. Arrange the given decimal numbers in the box above in ascending order.
- iii. Show 0.7 as a fraction.
- iv. Add 1.32

+0.70

- v. Subtract 0.25

- 0.07

## 06.

- i. Kasuni ,Devindi and Methuki ran 1 km 25 m, 1315 m and 1 km 300 m respectively within ten minutes for a running event of a housemeet.
  - a. Show each of the above distances in metres.
  - b. Who took the first place?
- ii. Parami had 8 colour pencils . Akka gave her "a " number of colour pencils more.
  - a. Write an algebraic expression to represent the total number of colour pencils Parami has now.
  - b. If the number of colour pencils akka gave to Parami is 5, find the number of colour pencils she has now using the algebraic expression you wrote as the answer of above question.