Provincial Department of Education
Northern Province
மாகாணக் கல்வித் திணைக்களம் வடக்கு மாகாணம்

Third Term Exam – 2022- (2023)

| Grade : 6 | **Mathematics** | Time:- Two Hours |

Index No : ………...

Part I

- **Answer the all questions.**

1) Write three examples for circular shaped objects?

2) What is the quotient, when 340 is divided by 7?

3) What is the name of the angle which is situated between two main directions?

4) Simplify: $\frac{1}{5} + \frac{3}{5}$

5) Write all the factors of 12?

6) Write "two billion two" digits ?

7) How many minutes are there in a day?

8) fill in the blank using a suitable symbol $<$ or $>$.   (-7)….. (3)

9) Round off 75 to the nearest 10?

10) Write two instances where you can see right angles in our surroundings?

11) Write in ascending order   2.23, 0.5, 0.56, 0.23

12) What is the first composite number?

13) How many millimeters are there in 1meter?

14) The price of a book is Rs x and the price of a pen is Rs 25. Construct an algebraic expression for the amount of money that needed to buy a book and two pens.

15) How many 50g are there in 1kg?

16) find the value of 4^3

17) write 56:21 in its simplest form.

18) if x=20, find the value of 38- x

19) What is the greatest negative whole number?

20) Write today's date in standard form

$$20 \times 2 = 40$$

Part II

Answer five Questions only.

1.
   a) The number which is three less than one million
      I. Write that number in standard form.
      II. Write that number in words.
   b) Using the digits 3,5,0 and 8 only once ,
      I. What is the largest number that can be made.
      II. What is the smallest number that can be made.
      III. What is the sum of those two numbers.
   c) If 2460 books are divided equally among 15 classes, How many books will each class get?
   d) Give a four-digit number that can be made by the digits 1,5,8 and 6 only once according to the following conditions
      ▪ The hundreds place digit is 8.
      ▪ Divisible by 5 without a remainder.
      ▪ The largest number.

(2+2+1+1+2+2+2)

2.

    a) Compare the following using the symbols $<$ or $>$

        I. $\frac{3}{7}$..............$\frac{5}{7}$ III. 4.04 .... 4.40

        II. $\frac{3}{5}$...........$\frac{2}{3}$ IV. 0.03 .... 0.3

    b) Simplify:

        I. $\frac{2}{3} + \frac{2}{9}$ III. 7.6 + 4.32

        II. $\frac{3}{4} - \frac{7}{10}$ IV. 5.8 – 2.95

                                                 (1+1+1+1+2+2+2+2)

3.

    a) The information related to the mode of transport of 38 students who are studying in grade 6 in a certain school is given in the following table.

Way to come school	No of students
Walking	13
Bicycle	10
Bus	
Other ways	8

        I.   How many students who come to school by bus?

        II. Represents the students who come to School by Bicycle in tally mark.

    b) This picture graph shows the 38 students of grade 6 whose present of school in a week.

Monday	☺ ☺ ☺ ☺ ☺ ☺
Tuesday	☺ ☺ ☺ ☺ ☺
Wednesday	☺ ☺ ☺ ☺ ☺ ☺
Thursday	☺ ☺ ☺ ☺
Friday	☺ ☺ ☺ ☺ ☺

    ☺ = Represented by 6 students

        I.   How many students are absent to school on Tuesday?

        II. On which days equal number of students are present to school?

        III. What is the ratio between the number of students who came on Monday and Thursday?

        IV. Find the total no of students who came to school for that week?

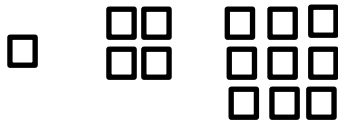   (1+2+2+2+2+3)

4.

    a)   I.   Draw a number line from (-5) to (+5)

         II.   Mark the points A = (+3) , B = (-1) , C = 0 and D = (-4) on that number line.

         III. Write those numbers in descending order.
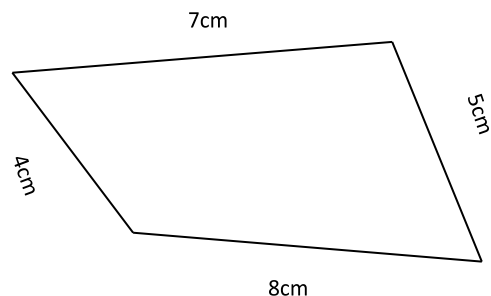
b)

    I.   Draw the 4th and 5th stages of the above pattern.

    II.   What is the type of number will be represented by this pattern.

c) If a number rounded off to the nearest 10 is 80, write the largest and smallest values of that number.

<div align="right">(2+2+2+2+2+2)</div>

5.

    I.   Write all prime numbers between 10 and 20?

    II.   Write four common factors of the numbers 24 and 36?

    III.   What is the smallest number which belongs to the multiple of 2,4 and 6.

    IV.   If $7 \times 5 = 35$ ………….. is one multiple of 35 and …………….. is another multiple of 35

    V.   Fill in the cages $81 = \square^2 = 3^\square$

    VI.   Kannan travels from home to school ,cover x km distance by train and cover y km distance by walking . If the distance travelled by train is 11 km. write the algebraic expression for the distance from home to school and come back home.

<div align="right">(2+2+2+2+2+2)</div>

6.
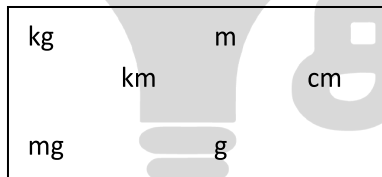
    I.   Classify the above given units into two groups.

    II.   Write a suitable name for the classification.

    III.   Select the suitable units for the following from the given units

        a) The distance between Jaffna and Colombo

        b) Weight of a student

    IV.   Find the length of a side of a square which perimeter is equal to the perimeter of given quadrilateral that is made by thin rope.

    V.   Give a method to measure 300ml of liquid using the capacities of 500ml and 200ml bottles only

    VI.   Give the weight bars that are needed to measure 4kg 650g by using balance scale.

<div align="right">(2+2+2+2+2+2)</div>