බස්නාහිර පළාත් අධ්‍යාපන දෙපාර්තමේන්තුව
மேல் மாகாணக் கல்வித் திணைக்களம்
Department of Education - Western Province

වර්ෂ අවසාන ඇගයීම
மூன்றாந் தவணை பரீட்சை   - 2021
Year End Evaluation

ශ්‍රේණිය தரம் Grade	**06**	විෂයය பாடம் Subject	**Mathematics**	පතුය வினாத்தாள் Paper	**I/II**	පැය மணித்தியாலம் Hours	**02 යි**

Name: . ... **Part 1**   Index number: ....

Important

- **Write the answers on this paper itself.**
- **Each question carries two marks.**

1) Write down the letters marked **on** the circle given below.
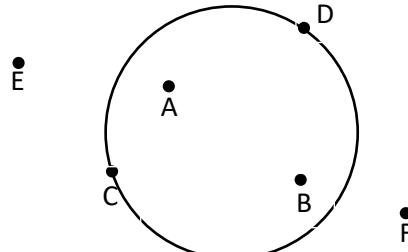
2) Find the value: 456 × 7

3) Write the decimal number represented by the abacus.

1 s	$\frac{1}{10}$ s	$\frac{1}{100}$ s
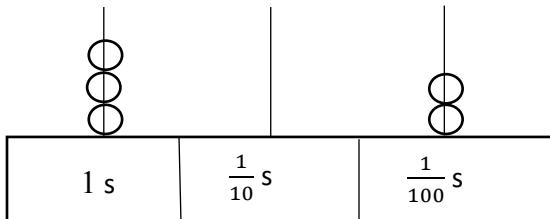
4) Write down the number given below in the standard form.
Forty three million fifty four thousand

5) Select and write down the units used to measure lengths.

ml , cm , kg , cm² , m

6)

   -3   -2   -1   0   1   2   3   4
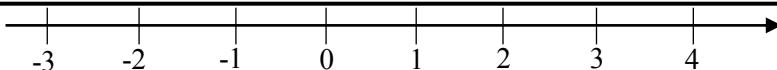
   I.   Mark the numbers -2 and +3 on the number line.
   II.   Use the symbol" > " to compare the above two numbers.

1

7) Write the number of edges and the number of vertices of the regular tetrahedron.

8) What is the opposite direction to the South-east?

9) Sunil left school at 1.45 p.m. and he took 35minutes to return home. At what time he returned home.

10) Name two herbivorous animals in the group of four-footed animals.

11) Write down the following statements are a known constant or an unknown constant.
        I.   Number of players in a cricket team: ....
       II.   The number of bricks needed to construct a wall: ....

12) Write 2050 g in kilogrammes.

13) When a certain number is rounded off to the nearest multiple of 10, the value obtained is 50. Write the least number and the most number that this number can take.

14) (i) Write the ratio two to seven in symbolic form.
    (ii) Write an equivalent ratio to the above ratio.

15) Write 17 using tally marks.

16) Find the area of the square-shaped lamina of side length 1 cm. Underline the correct answer.

     1) 1cm   2) 2 cm   3) 1 cm^2 4) 2cm^2

17) The price of 8 exercise books is Rs. 280. Find the price of one book.

18) There are about 50 peas in 100g. Estimate the number of peas in 1 kg.

19) Simplify.
$$\frac{5}{6} - \frac{2}{3}$$

20) There are 20 girls and 25 boys in a class. Write the ratio of the boys to the girls in the simplest form.

Part II

Answer the first question and another 04 questions. The first question carries 16 marks and the other questions carry 11 marks each.

01

    a.   Remind the lesson you have learned about the type of numbers and the number patterns in the classroom and answer the questions given below.

        I.   Write the composite numbers between 1 and 15.

        II.   Write the even prime number.

        III.   Which triangular number is shown in the figure? What is that number?
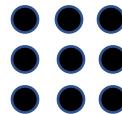
   IV.   Complete the figure given here to represent the fourth triangular number.

    b.

        I. $18 = 1 \times 18$
                 $= 2 \times 9$
                 $= \ldots \times \ldots$
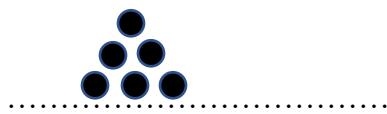
        Fill in the blanks given above with the appropriate values. Using that find all the factors of 18.

        II.   Is 3 a factor of 51? Explain the reason for your answer.

        III.   What is the largest multiple of 8 which is less than 100?

   c.   Find the value. $805 \div 23$

02.
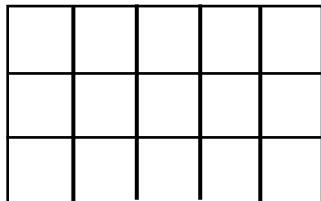
The length of a small square shown in the above rectangle is 1cm.

        I.   Find the length and breadth of the rectangle.

        II.   Find the perimeter of the rectangle.

        III.   What is the area of a small square?

        IV.   Find the area of the rectangle.

03
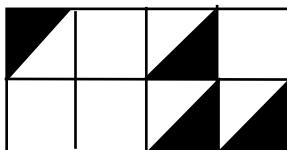
a.

    I.   Write down the shaded part in the figure as a fraction of a whole figure.

    II.   Add. $\frac{1}{7} + \frac{2}{7} + \frac{3}{7}$

    III.   Subtract. $\frac{5}{8} - \frac{1}{4}$

    IV.   Write down the fractions $\frac{1}{2}$, $\frac{1}{3}$ and $\frac{1}{4}$ in ascending order.

b.

    I.   Fill in the blank using the symbols < or > appropriately. 0.5 .... 0.45

    II.   Find the value.   2.5 + 3.42

04

a.

    I. Write 2.5 ℓ in milliliters.

    II. Add. :

l	ml
5	375
+ 2	785

b.   A solid has been made by placing two identical cubes of side length 8cm together, such that two of their faces coincide, and then pasting them together.

    I.   What is the name of the solid that is made?

    II.   Find the length, breadth and height of it.

    III.   Write down the number of vertices.

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05   The following incomplete picture graph shows the number of students in grade 6 in schools A, B, C and D.

I.   If there are 36 students in school A, find the number of students represented by the symbol ◯
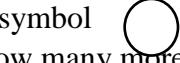
II. How many more students are in school B than school C?

III. If there are 39 students in school D, represent it in the picture graph.

IV. Find the total number of students in four schools.

06.

a.

  I.   Sunil has x rupees and Nimal has 25 rupees. Write an algebraic expression for the total amount of money they have.

  II.   If $P = 7$, find the value of $12 - p$.

  III. If $x = 6$, find the value of $x+5$.

b.

  I.   Write down 64 as a power of 4.

  II.   Find the value of $2^3 \times 3^2$.

07.

a.

  I.   Write the name of any two types of angles and draw that two angles.

  II.   Write down the type of angles that is denoted by each number together with the relevant number in the following figure.
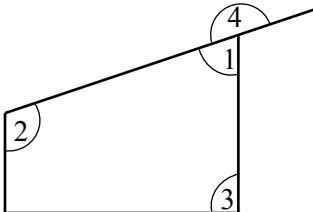
b.   Identify three types of different plane figures in the diagram and write down the names of that figures.

5
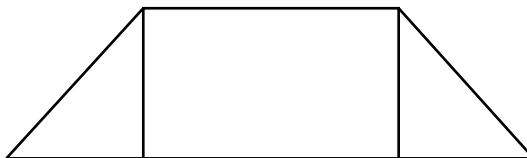
පිළිතුරු පත්‍රය - 1 කොටස

1) C , D   (2)

2) 3192   (2)

3) 3.02   (2)

4) 43 054 000   (2)

5) Cm , m   1 + 1   (2)

6)
   I.
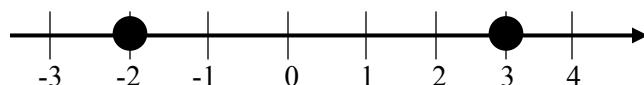
                         1 + 1   (2)

  II. 3 > -2   (2)

7) 6/4   (2)

8) වයඹ   (2)

9) ප.ව.2.30 හෝ 14 : 20   (2)

10) හරකා , මුවා , අලියා වැනි සුදුසු පිළිතුරු දෙකක්. 1 + 1   (2)

11)
     a. ඝාතයකි.
     b. අඝාතයකි.   1 + 1   (2)

12) 2.05 kg / 2 kg 50 g ට ද ලකුණු දෙන්න.   (2)

13) කුඩාම - 45   1 + 1   (2)
   විශාලම - 54

14) I) 2 : 7 ii) සුදුසු පිළිතුරකට ලකුණු 1 ක් දෙන්න. (2)

15) ⅠⅢ ⅠⅢ ⅠⅢ 11   (2)

16) 1 cm^2 (2)

17) $280 \div 8 = $ රු.35   (2)

18) 500 ක් පමණ   (2)

19) $\frac{5}{6} - \frac{4}{6} = \frac{1}{6}$ 1 + 1   (2)

20) 25 : 20 = 5:4   (2)

1)

 a.

    I. 6,8,9,10,12,14   (2)

   II. 2   (2)

  III. තුන්වන සමචතුරස්‍ර සංඛ්‍යාව/9 (2)

  IV.   (2)
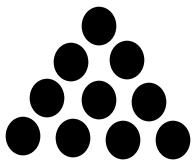
  b.

   I. 3 × 6   (1)

     18 හි සාධක : 1,2,3,6,9,18   (2)

   II. ඔව්   (1)

  III. 96   (2)

  c.   35 (පිළිතුර ලබා ගත් ආකාරයට
         ලකුණු - 1 / පිළිතුරට - 1)   (2)

2)

   I. දිග - 5 cm   (2)

     පළල - 3 cm   (2)

   II. 16 cm   (3)

  III. 1 cm^2 (1)

  IV. 15 cm^2 (3)

3)

a.

   I. $\frac{4}{16}$ හෝ $\frac{1}{4}$ (2)

  II. $\frac{6}{7}$ (2)

 III. $\frac{5}{8} - \frac{2}{8} = \frac{3}{8}$ $1 + 1$ (2)

 IV. $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$ (2)

b.

  I. $0.5 > 0.45$ (1)

 II. 5.92 (2)

4)

a.

  I. 2500 ml   (2)

 II. l   ml

    8   160   (3)

b.

  I. ඝනකාභය   (2)

 II. දිග - 16 cm / පළල - 8 cm / උස - 8 cm   (3)

 III. 8   (1)

5)

  I. 12   (3)

 II. $72 - 30 = 42$ (2)

 III.   (3)

 IV.   177   (3)

6)

  a.

     I.   රුපියල් $(x + 25)$ (2)

    II. $12 - P = 12 - 7 = 5$ (2)

   III. $X + 5 = 6 + 5 = 11$ (2)

  b.

     I. $64 = 4^3$ (2)

    II. $2^3 \times 3^2 = 8 \times 9 = 72$ (3)

7)

  a.
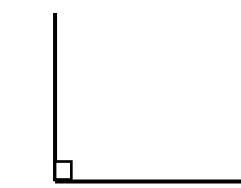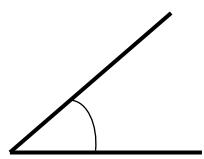
     I.   සුළු කෝණ   සෘජු කෝණ   1 + 1

                                                      (4)

                                         1 + 1

    II. 1 - සුළු කෝණ   1

       2 - මහා කෝණ   1

       3 - සෘජු කෝණ   1   (4)

       4 - සරල කෝණ   1

    b. ත්‍රිකෝණය   1

       සෘජුකෝණය   1   (3)

       ත්‍රපීසියම   1