



# Minuwangoda Education Zone

## Second Term Evaluation - 2023

Grade - 06

Mathematics I/II

Name: .....

Time: 2 hours

- **Answer all questions.**
- **2 marks will be given to each question from question number 1 to 20.**

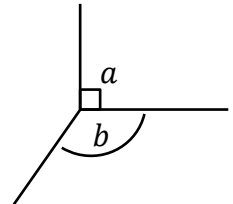
1) Write down an even number that can be written using the digits 0, 3, 4 and 7 exactly once. Write down the place value of the digit 7 in that number.

2) Draw a circle and mark a point on the circle.

3) Separate the number one million two hundred forty five thousand four in to zones and write down it using digits.

4) Express in days the time 120 hours.

5) Write down the type of angles in the given figure.



6) Round off 96 to the nearest multiple of 10.

7) Write down two prime numbers between 10 and 20

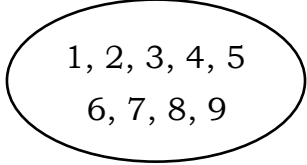
8) 42 students join the educational tour. If Rs.1750 is charged from one student find the total money.

9) The school ends at 1.30 p.m. Write this time in standard notation.

10) Prepare the fractions  $\frac{3}{5}, \frac{3}{7}, \frac{3}{4}$  in ascending order.

11) Write down the direction in which the left hand of a child is directed when he stretches out his hands facing the east?

12) Separate the numbers in the circle into two groups and give a suitable name for each group



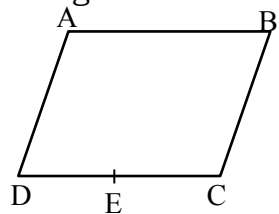
13) Write down two factors of 36 which are larger than 15.

14) Write down two multiples common to both 2 and 3.

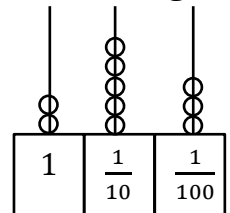
15) The number given below is divisible by both 2 and 5. Write down any number suitable in the blank.

1	9	
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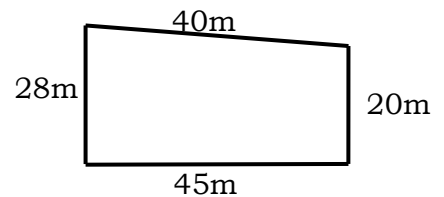
16) ABCD is a parallelogram. If the points A and E are joined you will get two other plane figures. Write their names.



17) Write down the number represented in the abacus using digits and also using words.



18) A rough sketch of a portion of land is given below. A wire fence is to be put up around it. Find the length of a single strand of wire needed to build the fence.



19) Add

	<i>l</i>	<i>ml</i>
	2	75
+	3	87
	<hr/>	
	<hr/>	

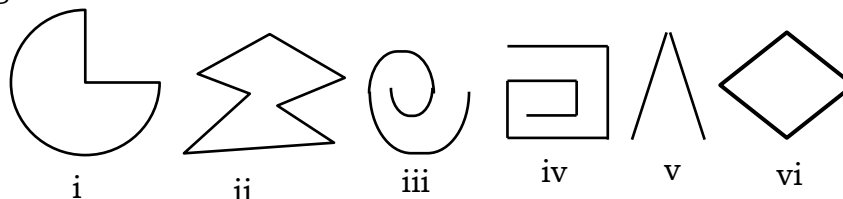
20) There are six faces in a cube. Write down the number of edges and the number of vertices of this cuboid.

## Part II

- **Answer the first question and four other questions only.**
- **The first question carries 16 marks. While the other questions carry 11 marks each.**

01)(a) Recall your memory on what you have done in the lesson rectilinear plane figures and answer the following questions.

- i. Select and write down the numbers of two rectilinear closed plane figures from the following.



- ii. Draw and write down the name of a closed rectilinear plane figure with three straight line segments.
- iii. Mark one side and one angle of the above figure (question number ii)
- iv. Draw a figure of a rhombus and state one difference between a rhombus and a square.

(b)

- i. Observe the number pattern given below and draw the patterns of the next term. What is the name given to this number pattern?

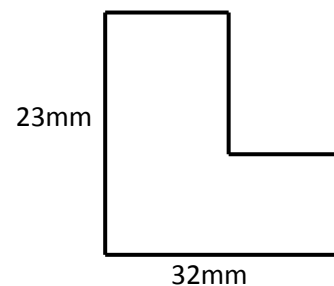
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      × × ×      × × ×      × × × ×
    × × ×      × × ×      × × × ×
                × × ×      × × × ×
                          × × × ×
    
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- ii. Write down all the prime numbers between 10 and 20
- iii. In order to get an odd number as the product which type of numbers should be multiplied together write an example.
- iv. Write down the smallest composite number. State one specific feature of that number.

02)

- i. Express the shaded portion of the figure as a fraction of the whole figure.



- ii. Write down two equivalent fractions for  $\frac{2}{3}$

- iii. Select two unit fractions and two real fractions from the following

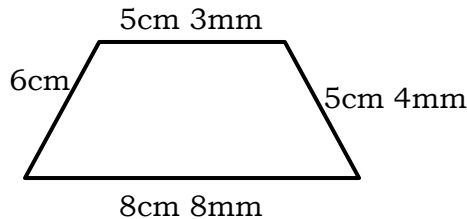
$\frac{3}{4}$      $\frac{5}{5}$      $\frac{1}{7}$      $\frac{7}{2}$      $\frac{1}{3}$      $1\frac{1}{2}$

- iv. Simplify and write your answer in the simplest form.  $\frac{1}{4} + \frac{5}{12}$

03)

(a)

- i. Write down the most suitable measuring unit to measure the thickness of a coin.
- ii. Copy down the following in your answer script and fill in the blanks.  
 $725\text{cm} = \dots\dots\dots \text{m} \dots\dots\dots \text{cm} = \dots\dots\dots \text{m}$
- iii. The leading contender of a marathon had run 1.2km within 10 minutes. Express that distance in meters.
- iv. Find the perimeter of the following figure and express distance in Metres.

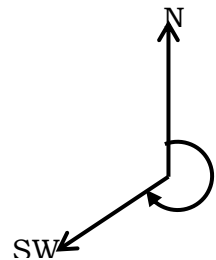


- (b) 600ml of fruit juice is mixed with five times of that amount of water to make a fruit drink. Express that total quantity in litres.

04)

(a)

- i. When it is observed from a roundabout (C) in a certain city; one should go towards the south to reach the city A and towards the east to reach the city B. Represent above information on A, B and C in a rough - sketch
- ii. A person who is facing the north has to rotate himself in order to turn to the south west. What is the type of the angle formed above?
- iii. If you want to fix a post vertical on the ground, mention the instrument you would need to check whether it is vertical?
- iv. What is the angle formed above, when the post is vertical to the ground?



05)

- a) Express all the possible ways that 12 can be written as a product of two factors and write down all the factors of 12
- b) Select all multiples of three from the following  
51, 26, 13, 18, 35, 132
- c) Rearrange the following numbers in ascending order.  
0.4, 0.08, 0.19, 1.1
- d) Evaluate  $13.2 - 1.34$

- 06)
- (a)
- i. Write down the time in standard notation when 30 minutes and 15 seconds past after a certain day has started.
  - ii. Write down your own birthday in standard notation.
- (b) It would take two hours and forty minutes to reach Matara from Kadawatha if the highway is used. If other routes are used it would take four hours and twenty minutes.
- i. How much time would be saved if the highway is used.
  - ii. At what time would a person reach Matara if he leaves Kadawatha at 10.50 a.m. Using the highway?

07) Draw a number line and represent the following values on it.

- i.  $A = +4, B = (-3), C = +2$
- ii. Compare the values B and C using the inequality signs  $<$  and  $>$
- iii. Write down two positive integers and negative integers between  $(-3)$  and  $(+4)$
- iv. Is 0 (zero) an integer give reason for your answer