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Second Term Test - Grade 06 - 2024

MATHEMATICS

2 Hours

Name / Index No:

Part - I

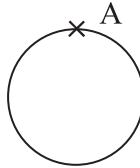
● Answer all questions.

01. Mark the given points using a "x" sign on the diagram.

A = On the circle.

B = Outside the circle.

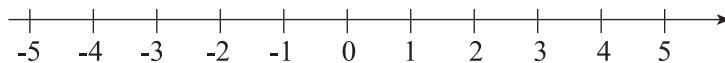
C = Inside the circle.



02. Arrange the given fractions in ascending order.

$\frac{6}{7}, \frac{1}{7}, \frac{3}{7}, \frac{5}{7}$

03. Observe the number line and compare the given numbers using $<$, $>$, $=$ symbols.



1 - 4 +4 4

04. Fill in the blanks.

2085 m = km m

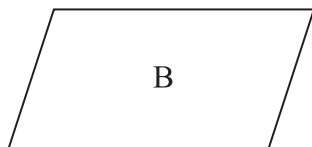
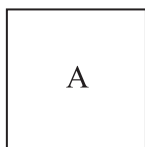
05. Write the number 254 304 078 in words.

06. Irosh walks 10 m to East from a point A and another 10 m to north and reach the point B. What is the direction of point A from the point B.

07. It is decided to held the spotsmeet of Gamunu Maha Vidyalaya on 09th of March 2024. Write this day on the standard form.

08. Is 4 a factor of 19 ? Give reasons for your answer ?

09.



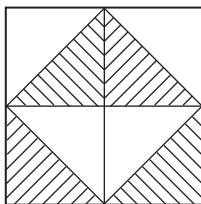
Underline the most suitable regarding above two figures.

- A is a square and the B is a rhombus.
- A is a square and B is a parallelogram.
- A is a rectangle and B is a Trapezium.

10. What is the number represented by 7 in the number 25.37

11. Name two instruments that can be used to measure the length.

12. Write the shaded portion as a fraction of whole.



13. Underline the first composite number.

4, 2, 1, 6

14. Fill in the blanks.

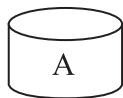
(i) $36 \times 1000 = \dots\dots\dots$

(ii) $50\ 100 \div 100 = \dots\dots\dots$

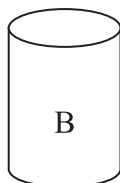
15. Write 12.50 pm in the standard form

16. 132 exercise books of equal type were divided among 6 students. How many books each of them received ?

17.



1 l 120 ml



Vessel B is completely filled with water. This water was removed using vessel A two times and 175 ml of water was remaining in vessel B. Find the amount of water the vessel B can contain when it is completely filled.

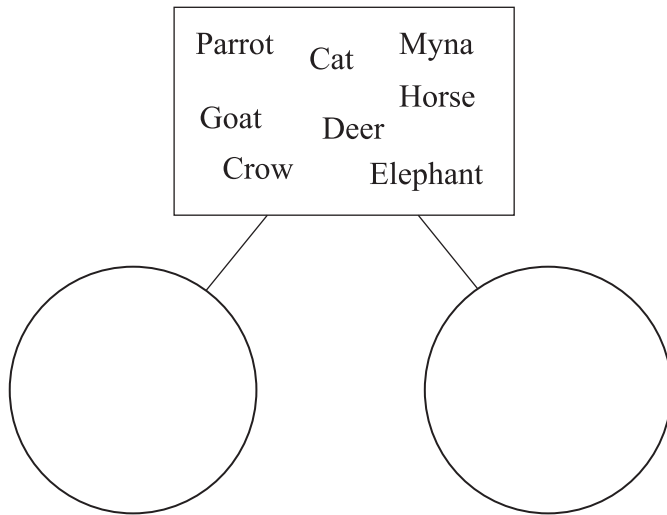
18. 43 is a three digit number. The number in the units place is greater than 4. This three digit number is divisible by 2 write two suitable numbers to fill the box.

19. If the following statements are true put (✓) if wrong put (×)

(a) 1 is a prime number ☐

(b) All the square numbers are composite numbers. ☐

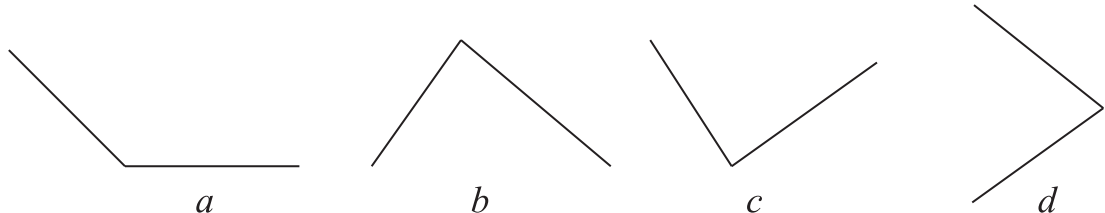
20. Divide into two suitable groups.



Part - I

- Answer five questions including the first question.
- 16 marks are given to the first question and 11 marks given to the each other questions.

01. (a) (i) Select and write the letters of the right angles.



(ii) What is the name of the angle which has a less magnitude than a right angle ?

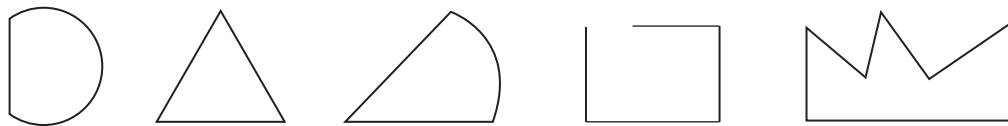
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(iii) Draw a reflex angle.

- (iv) When a portion is taken from a straight angle for an acute angle, what is the name of the angle can be given to the remaining portion.

.....

- (b) (i) Select and underline the rectilinear plane figures from the figures given below.



- (ii) Write two characteristics of a rectangle.

.....

.....

- (iii) Draw a trapezium which shape can be formed by using two of those trapeziums.

.....

- (iv) Write a characteristic that can be seen in a square but can not be seen in a rhombus.

.....

02. (a) (i) Write all factors of 18.

.....

- (ii) Write two prime factors of 30.

.....

- (iii) Write a number which is a multiple of both 6 and 8.

.....

- (iv) Write 3 numbers that can be multiples of 10.

.....

- (b) (i) When the number of mangoes in a heap of mangoes is rounded off to the nearest 10 the answer is 120. what is the minimum number of mangoes that can be there in the heap of mangoes.

.....

- (ii) Mention a situation that we use estimation in day today life.

.....

03. (a) (i) Write the symbols of the following measurements.

millilitres

litres

- (ii) Write the relationship between above two units.

.....

(iii) Express 2240 millilitres in litres and millilitres.

(iv) Simplify

(a) litres millilitre

$$\begin{array}{r} 3 \quad 900 \\ + 2 \quad 400 \\ \hline \\ \hline \end{array}$$

(b) litres millilitre

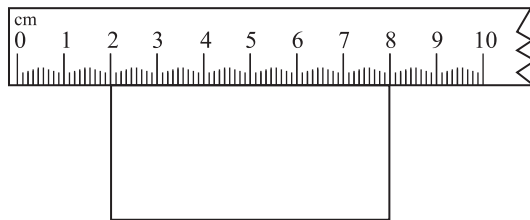
$$\begin{array}{r} 3 \quad 100 \\ - 1 \quad 700 \\ \hline \hline \hline \end{array}$$

04. (a) (i) Select and underline the correctly drawn straight line segment out of the given figures.

a

(ii) Express 1 cm 2 mm in millilitres.

(iii) The following shows the taking readings of the length to measure the perimeter of a rectangle. The length of the rectangle is twice its width observe and find the perimeter of the rectangle.



(iv) A man charges Rs. 80 to dig a 1 m of drain. How much should be paid for him to dig 7500 cm long drain?

05. (a) The following fractions were written on the black board by the maths teacher.

$\frac{1}{2}, \frac{3}{4}, \frac{1}{3}, \frac{3}{6}, \frac{3}{8}, \frac{5}{10}, \frac{7}{12}, \frac{3}{9}$
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Using above fractions answer the following questions.

(i) Write the unit fractions.

(ii) Write the equivalent fractions to $\frac{5}{10}$

(iii) Simplify

$$\frac{1}{4} + \frac{3}{8}$$

(iv) Simplify $\frac{3}{5} - \frac{7}{15}$

(b) (i) Write 1.03 in the way of reading.

.....

(ii) Represent the above decimal number on an abacus.

06. (a) The following is the data about the birth date of some students of grade 6 in vidyadeepa college.

1 , 2, 5 , 8 , 9 , 10 , 12 , 13 , 15 , 17 , 25 , 27 , 31

(i) How many students were born on even numbered dates.

.....

(ii) Select and write the square numbered dates.

.....

(iii) Write the number of students born on prime numbered dates and triangular numbered dates separately. On which type of numbered dates has the most births?

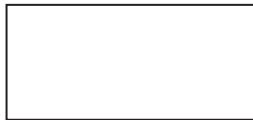
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(iv) Recall the lesson types of numbers and number patterns you learned at the school.

Out of the number types which type of numbers can be expressed as number patterns?

.....

07. (i) Name a solid that can be made using the following quadrilaterals.



(ii) Write the number of faces, edges and vertices of that solid.

.....

(iii) Mention two occasions where that solid shape can be seen in the environment?

.....

(iv) Name two solids which has equal shape faces.

.....