කලාප අධ්‍යාපන කාර්යාලය - කොළඹ
வலயக் கல்வி காரியாலயம் - கொழும்பு
Zonal Education Office - Colombo
දෙවන වාර පරීක්ෂණය - 2022
இரண்டாம் தவணைப் பரீட்சை - 2022
Second Term Test - 2022

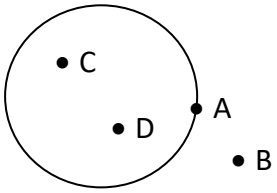
Grade 06 | **Mathematics** | **Time – 2 hours**

Name - …… Index No-……..

Part I

- **Answer all the questions on the paper itself.**

1). The points D and C are inside the given circle.



i). The point …….. is on the circle.

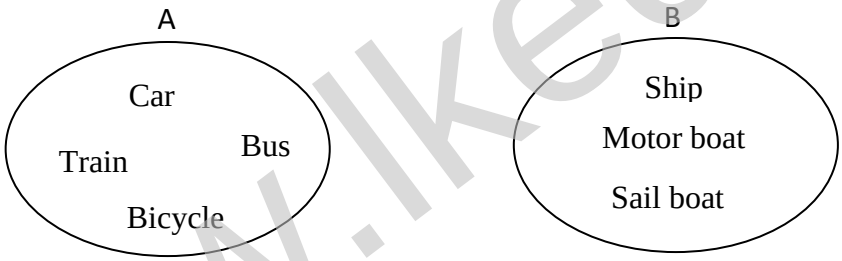
ii). The point ……. is outside the circle.

---

2). " 7th of February in 2022" , Write the date in standard form.

---

3).



Suggest two suitable names for the groups A and B.

A .....

B .....

---

4). Express 16 027 m in terms of kilometers and meters.

---

5). Amara thought a number and he said that number is an even number, also a prime number. What the number he thought?

---

6). What is the most suitable unit that can be used to measure the thickness of a medicine tablet. Select and underline from the following units.

(i) m (ii) mm (iii) cm

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7P.M Tamil 8P.M CIVICS 9P.M ICT	7P.M-SCIENCE 8P.M-GEO	7P.M-ENG 8P.M- SINHALA	7P.M-ENG

Friday	Saturday	Sunday
7P.M SCIENCE 8P.M MATHS 9P.MHELTH	7P.M-HISTORY 8P.M- TAMIL	7P.M- HISTORY 8P.M- MATHS

GRADE
06

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7). Compare the given integers using suitable inequality symbols $< or >$

i. -4 3

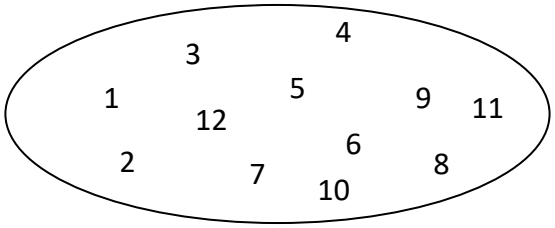
ii. 1 0

8). When a number after rounding off to the nearest multiple of 10 is 60. Write the maximum value and the minimum value that number can be.

Maximum value :- ……..

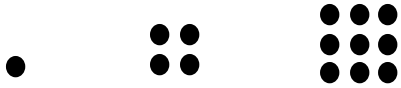
Minimum value :- ……..

9).



Separate and write all the composite numbers below 10 using the given information.

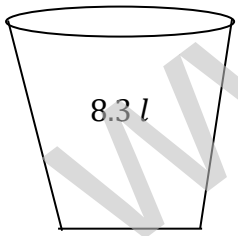
10). Draw the next term of the pattern using dots.



_____

11). A lecture has started at 08.00 a.m. and finished at 11.15 a.m. What is the time taken for the lecture.

12).



The quantity of liquid in the given vessel is 8.3 l . Express it in milliliters.

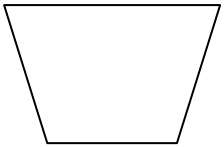
13). Find the value.

$243 \times 14 =$ _____

14). $\frac{7}{15} + \frac{4}{15}$ Find the value.

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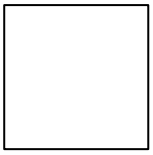
15). For the given figure select the suitable name and underline.



Square

Trapezium

Rectangle



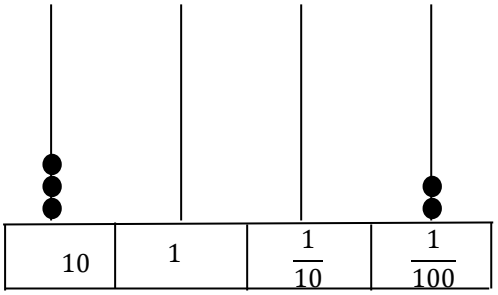
Square

Trapezium

Parallelogram

---

16). Write the value represented by the given abacus.



---

17). What is the larger fraction among $\frac{1}{12}$ and $\frac{1}{3}$

---

18). Fill in the blank with the suitable symbol "<" or ">"

0.3 ..... 0.39

---

19). What is the sum of the numbers from 1 to 5 ? .....

The above number is the_____th triangular number.

---

20). Write 18 as a product of its prime factors.

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Part II

- **Answer the first question and any other 4 questions only.**
- **First question carries 16 marks and other questions carry 11 marks each.**
- **Answer the questions on this paper itself.**

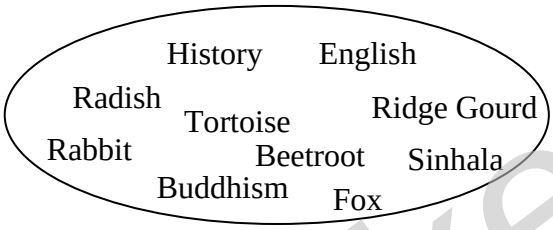
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(01). Recall your knowledge on the activity that you have done with your mathematics teacher related to the lesson "selection".

i). Write two characteristics of the items that we meet in our day today life activities, which can be separated in to groups.
1) ……..…… 2) ……

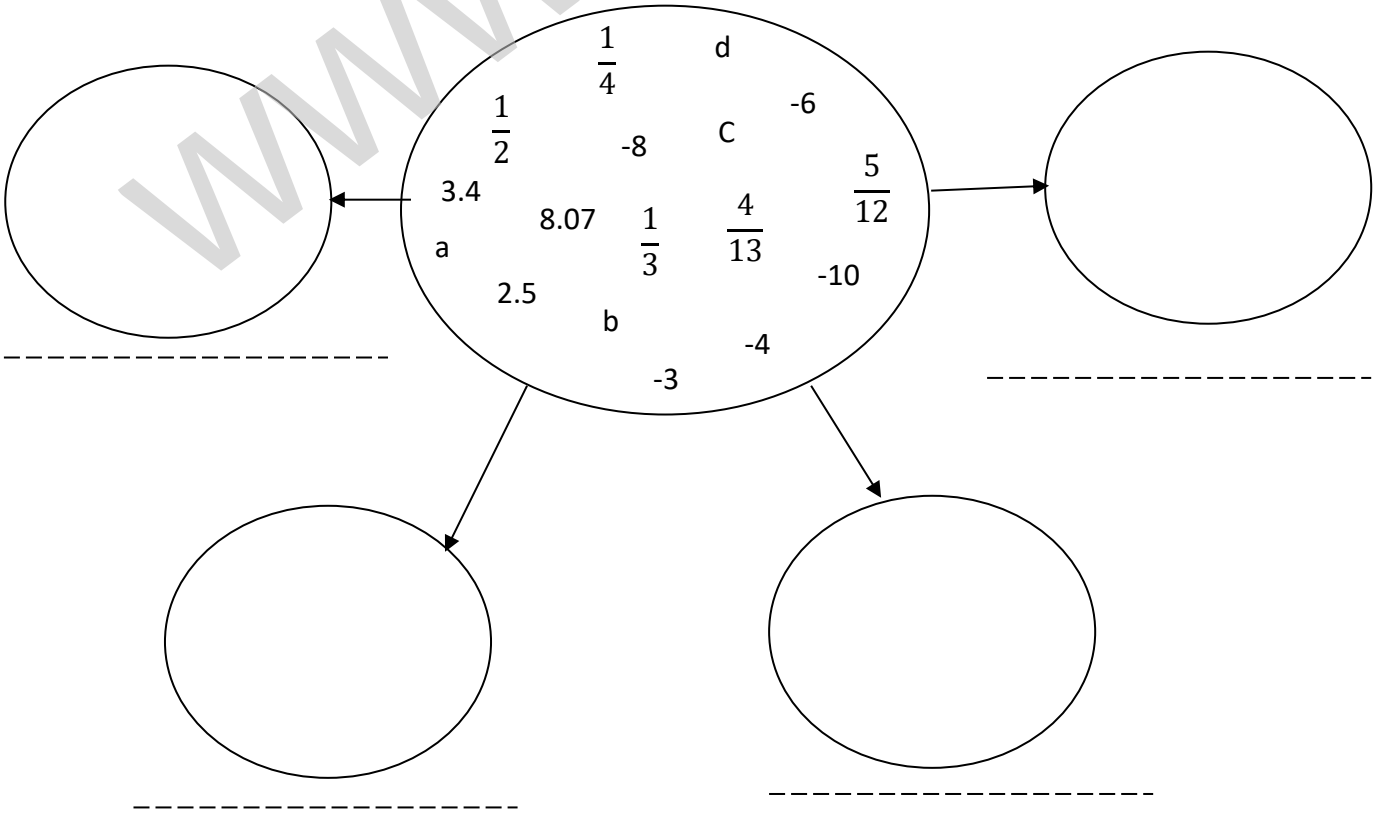
ii). Write two advantages that can be obtained by grouping items.
1)……..
2)……..

iii). Write an example for an instance that we are grouping items in day today life activities.
……



iv). Separate the above items into three groups according to their common characteristics and write down a suitable name for each.
1)…… 2)…… 3)……

v). Separate the symbols in the given figure into four groups and write a suitable name for each group on the given dotted line.



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தரம் 6

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Monday

8 pm - Maths (T)

Tuesday

6 pm - English

8 pm - Tamil (G)

Wednesday

7 pm - History

Friday

6 pm - English

7 pm - History

Saturday

6 pm - Science

8 pm - Tamil (G)

Sunday

6 pm - Science

8 pm - Maths (T)

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தமிழ் மீடியம்

Tamil (G) GAJATHIRI - Tue & Sat 8 pm || Tamil (S) SIVANITHY - Tue & Sat 8 pm || Tamil (N) NITHTHY - Sat & Sun 10 am

Maths (V) VIJEYASHANKAR - Wed & Sun 8 pm || Maths (T) THIRUKUMARAN - Mon & Sun 8 pm

Science - Sat & Sun 6 pm || English - Tue & Fri 6 pm || History - Wed & Fri 7 pm

ICT (TM) - Sat & Sun 8 am || ICT (EM) - Sat & Sun 11 am

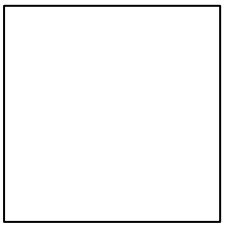
Sinhala (T) TIJANSHAN - Wed & Thu 8 pm || Sinhala (F) FARWIN - Mon & Tue 5 pm

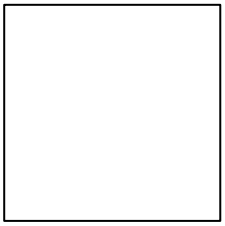
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(02). (a) Compare the given fractions using the symbols " $>$, $<$, $=$ "

i). $\frac{1}{2}$ ..... $\frac{1}{7}$ ii). $\frac{3}{5}$ ..... $\frac{2}{10}$ iii). $\frac{1}{3}$ ..... $\frac{4}{12}$

(b)





Show that the two fractions $\frac{1}{2}$ and $\frac{4}{8}$ are equal by demonstrating, using the above figures.

(c) Simplify.

i). $\frac{3}{7} + \frac{2}{7}$ ii). $\frac{3}{5} + \frac{1}{10}$ iii). $\frac{1}{4} + \frac{1}{2} - \frac{1}{8}$

---

(03). A line which is used to represent numbers is called a number line. A **number line** is given below.



i). Write down two properties of a number line.

1)…….

2)…….

ii). Draw a suitable number line and mark the numbers -3, 0, 2

iii). Re-write the given numbers in ascending order.

-4, +3 , 0 , +2 , -6

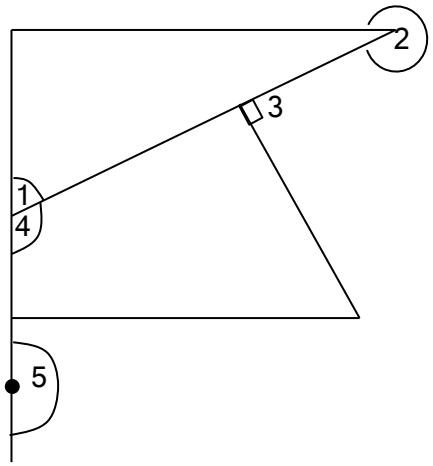
iv). Compare the given numbers using '<' or '>'

(a) (-12).....1

(b) 0 …….. (-7)

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(04). (a)



Write down the type of angel, denoted by each number.

1 - _____

2 - _____

3 - _____

4 - _____

5 - _____

(b) Read the following paragraph carefully and answer to the given questions.

Amila Travelled towards the East direction by 2m from the place called **A** and he reached the well named as **B**. After travelling 3m towards the North-East direction from **B**, he met the tree named as **C**. After travelling 5m towards the west from the place **C,** he met the light post named as **D**.

i). Draw a rough diagram in a way to represent above information.

ii). Join D and A.

iii). Write the name of the plane figure you obtained.

---

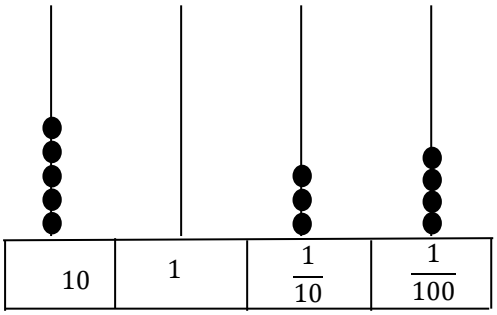
(05).

i). Write the number "Three hundred twenty four point zero two" in digits.

……

ii). Write the number represented on the given abacus in digits.

……



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iii). Write the number represented on the abacus in words. (The name of the number)

……

iv). (a) Express $\frac{7}{10}$ as a decimal number.

(b) Express 0.43 as a fraction.

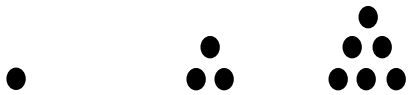
v). Simplify

(a) $\begin{array}{r} 1.43 \\ +0.5 \\ \hline \end{array}$

(b) 3 . 75 - 1. 9 = _____

---

(06). (a)



i). Draw the next figure of the above pattern using dots.

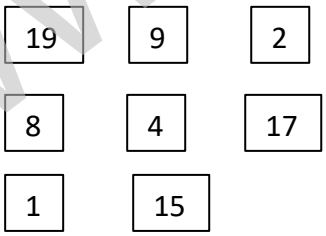
ii). Write the number of dots in first 5 instances in order.

……

iii). Write the name the pattern that represented in the above numbers.

……

(b)



i). Write down all the even numbers among the above numbers.

……

ii). What is the third multiple of 5 from the given numbers.

……

(c) Write down all the factors of 9.

(d) If the price of a mango is Rs 70, find the price of 6 mangoes.

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Monday	Tuesday	Wednesday	Thursday
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Friday	Saturday	Sunday
7P.M MATHS 8P.M HELTH	6P.M-MATHS 7P.M-HISTORY 8P.M- TAMIL	6P.M- SCIENCE 7P.M- HISTORY

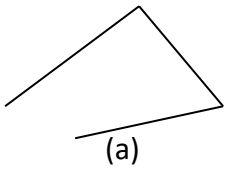
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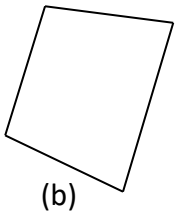
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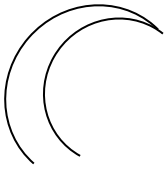
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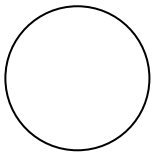
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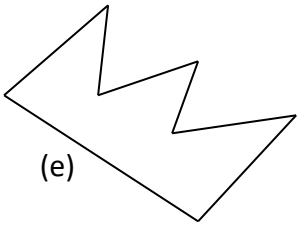
(07). (a) Look at the given figures and the corresponding letters carefully. According to that if the given statement are correct mark '✓' and if incorrect mark ✗ .

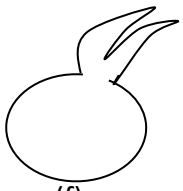

(a)


(b)


(c)


(d)


(e)


(f)

i. 'a' is a closed plane figure ( )
ii. 'b' is a quadrilateral ( )
iii. 'd' is not a rectilinear plane figure ( )
iv. 'e' and 'b' are closed rectilinear plane figures. ( )

(b) Fill in the blanks.

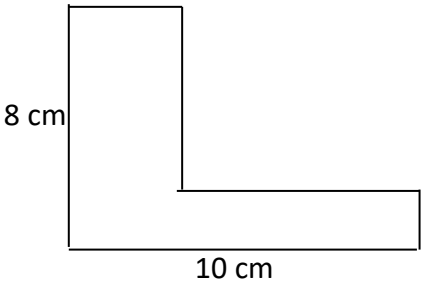
i). 10mm = ... cm

ii). ..... cm = 1m

(C)

i. The perimeter of a square is 12 cm. Find the length of a side of it.

ii. Calculate the perimeter of the given figure.



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