| **Grade 6** | **First Term Test - 2019** | **86** | **E** | |

| **Mathematics** | | **2 hours** |
| **Name :** | | |

Important :	**Part -I**	
• **Answer all the questions on the paper itself .**		**Index No.........................**
• **Each question will be given by 2 marks**		

(01)
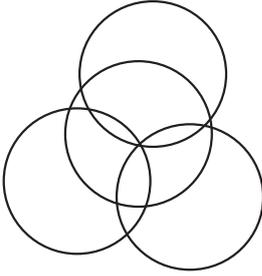
How many circles are there on this pattern ?

(02) In the number 2389 what is the value represented by 2?

03) What will be the balance if sunil gives Rs. 100 to buy a pencil price Rs 12?

(04) Express 34 hours in days and hours

(05) In the numbers 8,230,072,500 write the group of numbers belong to thousands zone
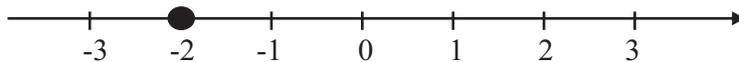
(06) Simplify
13 + 2003

(07) Fill in the blanks using suitable values.

$$\begin{array}{r} \boxed{}\ 8 \\ \times\quad 6 \\ \hline 2\ 2\ \boxed{} \\ \hline\hline \end{array}$$

(08) Join the pairs which express the same time.

100 seconds   1 day

3 days   1 minute 40 seconds
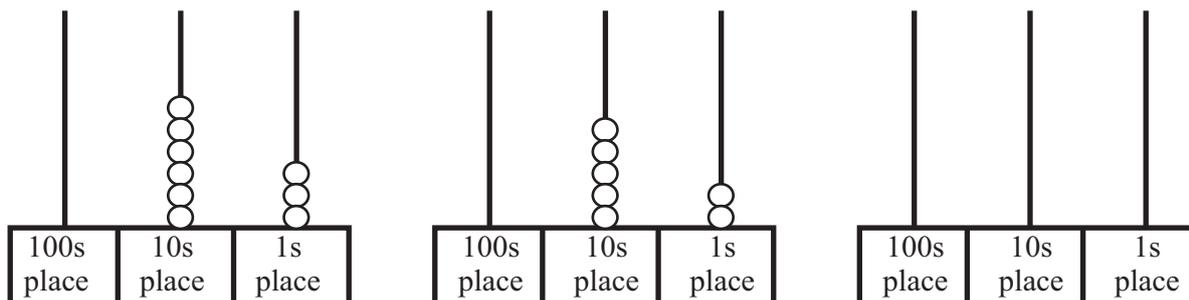
24 minutes   72 hours

(09)

(i)   What is the number marked in the number line.

(ii)   Mark the number 2 in the above number line

(10) Below figures show how to add two numbers using abacus express the total in the relavant (number frame) abacus

(11) Write all the integers between -2 and + 1

(12) Name the type of this angle?

(13) Round off 75 to the nearest multiple of ten

(14) Fill in the blanks using appropriate numbers among these numbers -3, 2, -2

$-2 <$ ....

(15) Express 1st of april 2019 in international standard form.

(16) Write down the numbers marked on the number line, in ascending order .

(17) $6 > 2$ write this inequality in words

(18) From the following items, select and write two items in which the circular shape can be observed.

Drum, Meter steel, CD, Shoes, Tyre

(19) Select and write the suitable words given in the brackets in each sentences..

i. The floor of the school building is in .... plane (Horizontal / Vertical)
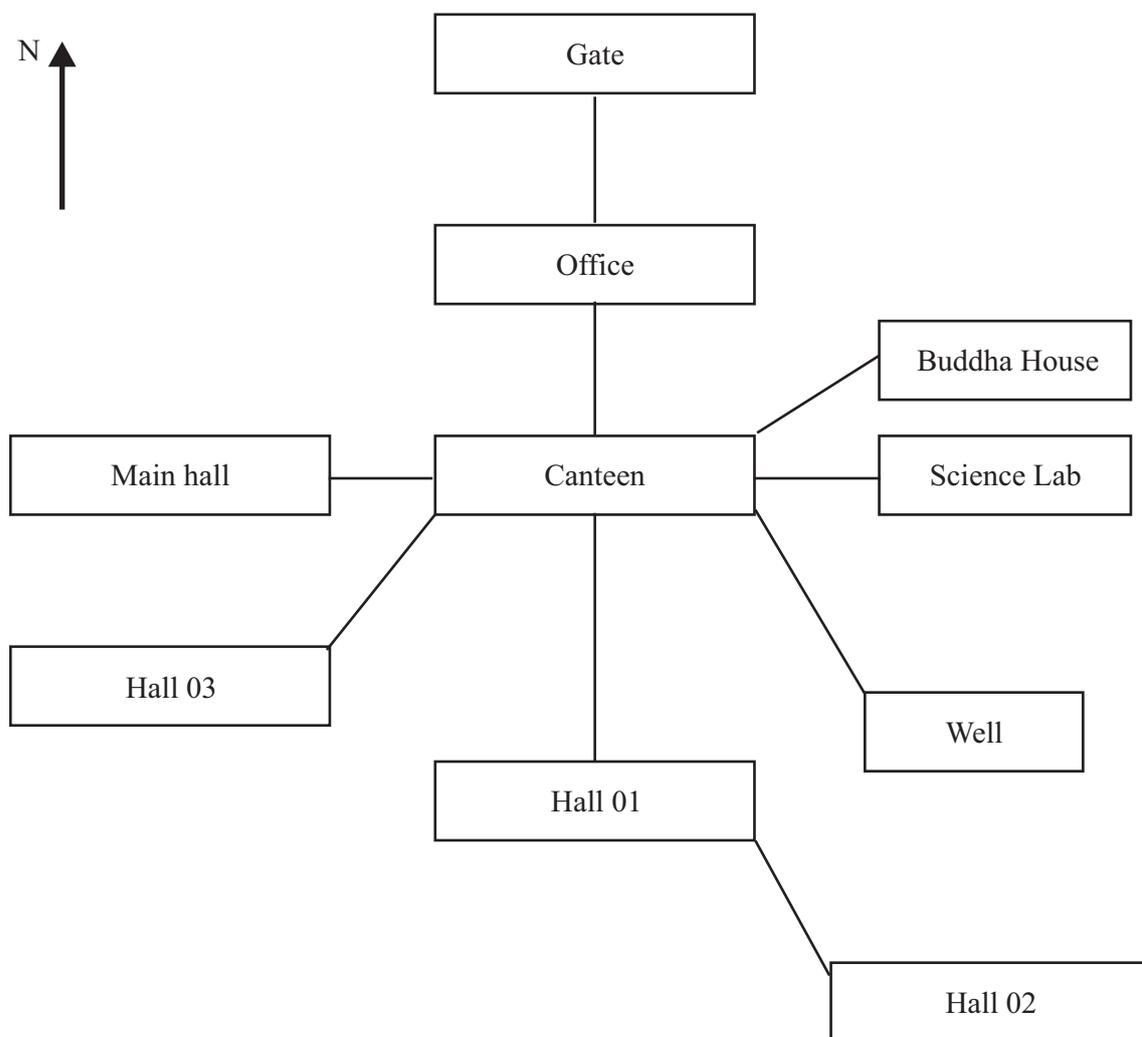
ii. The wall of the school building is in .... plane (Horizontal / Vertical)

(20) Name the subdirection which makes an acute angle when rotate to anticlock wise from the North

Part - II

- **Answer 1st question and 4 other questions.**
- **16 marks will be given for 1st question and 11 marks for other questions.**

(01) (a)   The below diagram has drawn by a group of students as an activity for the "directions" lesson.

N ↑

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                        ┌──────────────┐
                        │     Gate     │
                        └──────┬───────┘
                               │
                        ┌──────┴───────┐
                        │    Office    │
                        └──────┬───────┘
                               │              ┌──────────────────┐
                               │              │  Buddha House    │
                               │              └──────────────────┘
┌──────────────┐        ┌──────┴───────┐      ┌──────────────────┐
│  Main hall   │────────│   Canteen    │──────│   Science Lab    │
└──────────────┘        └──┬───────┬───┘      └──────────────────┘
                          ╱        │ ╲
                    ┌────╱───┐     │  ╲    ┌──────────────┐
                    │ Hall 03│     │   ╲   │     Well     │
                    └────────┘     │       └──────────────┘
                            ┌──────┴───────┐
                            │   Hall 01    │
                            └──────────┬───┘
                                        ╲
                                    ┌────╲─────────┐
                                    │   Hall 02    │
                                    └──────────────┘
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Answer the following questions by considering the above diagram

   i. In which direction is the office located with respect to the canteen   (2 marks)

   ii. What is located in the North - east with respect to the canteen   (2 marks)

   iii. In which direction is the Hall 02 located with respect to the hall 01   (2 marks)

   iv. What is located in the south from the gate?   (2 marks)

   iv. If Samantha faces north and wants to turn to south from the canteen what type of angle will he
       make ?   (2 marks)

(b) The following figure depicts difference types of angles maked from letters a to h by considering the figures answer the following questions.

i   Name two acute angles   (2 marks)
ii   What type of angle is shown by letter f?   (2 marks)
iii Name two obtuse angles   (2 marks)
iv   What type of angle is shown by letter a ?   (2 marks)
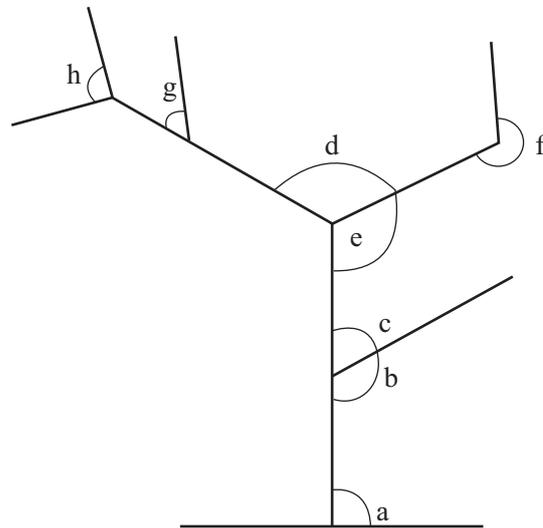
(02) The following number line shows the temperature in degrees celsius of several cities around the world at 6.00 a.m on a certain day.
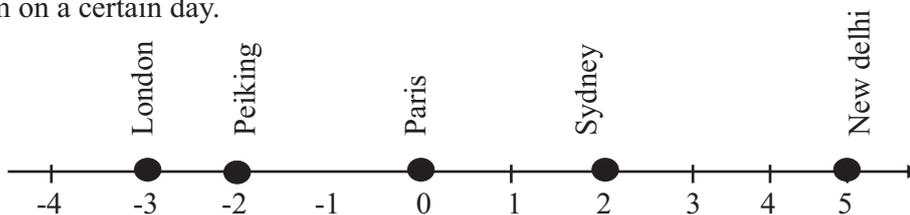
According to the number line
    i.   Which city recorded the highest temperature ?   (2 marks)

    ii.   Which city recorded the lowest temperature ?   (2 marks)

    iii. Write the names of the cities in ascending order according to the temperature. (3 marks)

    iv.   Name the cities that recorded less temperature than Paris.   (2 marks)

    v.   Write the difference between the temperature of London and New Delhi in units. (2 marks)

(03) The following figure depicts 8 cards of one digit to prepared for a mathematical activity.

| 1 | | 3 | | 4 | | 9 | | 9 | | 7 | | 6 | | 5 |

(a)   Write the largest number that can be form by using the above 8 cards,
    i.   Write down the number in standed form.   (3 marks)
    ii.   Write this number in words   (3 marks)
    iii. Write down the value represented by 4 in the numbers which you wrote.   (2 marks)

b. i. Write down the smallest possible number that can be made using above 8 card. (1 marks)

ii. How many times large that the number in tens place than the number in units place which was written by you. (2 marks)

(04) a. Simplify
   i. 2138 + 794   (2 marks)
   ii. 5000 - 2357   (2 marks)
   iii. 76 x 24   (3 marks)
   iv. 24300 ÷ 100   (1 marks)

   b. Find the value using long division method.

   i. 6570 ÷ 18   (3 marks)

(05) A train which left Colombo Fort at 10.35 a.m. took 1 hour and 55 minutes to reach Kurunegala and then 2 hours and 30 minutes to reach Anuradhapura.

   i. Write the total time taken by the train to reach from colombo to Anuradhapura in hours and minutes.
              (3 marks)
   ii. Write the time that the train took to reach Anuradhapura in standed form. (2 marks)
   iii. Write the difference taken by the train to reach from Kurunegala to Anuradhapura and from Colombo to Kurunegala.

b. Add   (3 marks)

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   Days   hours
     8      13
 +   1      12
 _____
 =============
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            (3 marks)

(06) (a) Round off the following numbers to the nearest multiple of ten.
   (i) 32   (ii) 47   (iii) 65   (2x 3= 6)

   (b) When a number of houses in a village is round off to nearest multiple of ten is 50.
   i. What is the lowest number of houses can be seen in the village ? (2 marks)
   ii. What is the highest number of houses can be seen in the village ? (2 marks)

   (c) Write the instance which the estimation can be used in day to day life. (1 marks)

(07) The following table is given to estimate the expences of a party. copy the table and fill in the blanks.

Items needed	Quantity needed	Unit Price Rs.	Price Rs.	
1. Cuttlets	100	12.00	....	(1 mark)
2. banana	200	8.00	....	(1 mark)
3. cake	2 kg 500g	380.00	....	(3 marks)
4. sugar	2 kg 250g	100.00	....	(3 marks)
5. milk powder	3 pkt	350.00	....	(1 mark)
Total expenses			. ...	(2 marks)