



Visakha Vidyalaya – Colombo 05

First Term Test – 2022

Mathematics

Grade 6

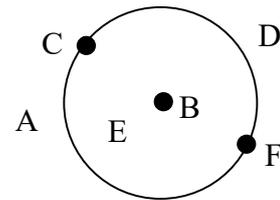
Time : $2\frac{1}{2}$ hours

Name / Index Number :

Part I

* Answer all the questions in this paper it self.

1. Name the letters which indicate positions on the circle.



2. Name two objects that have circular shaped faces.

3. What are the next two terms of the pattern? 2, 9, 16, 23,,

4. Fill the blank with the suitable number.

$$\square - 14 = 7$$

5. What is the value represented by number 6 in 8764?

6. Find the balance amount of money you receive when you give Rs.100.00 to buy a book that costs Rs.72.00.

7. Write “four million eight hundred thousand two” in stand form.

8. What is the greatest number you can write using the four numbers 5,7, 0, 2 each only once such that the units place of that number is 7?

9. Simplify.

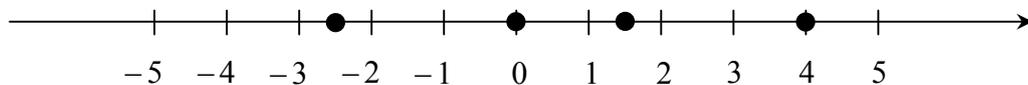
(i) $7892 - 975$

(ii) $2350 + 52 + 7$

10. The Poson poya day of this year is on 14th of June 2022. Write that date in standard form.

11. Tharindi is 4 years younger than pavani. The sum of the ages of them is 30 years. Find the age of Pavani?

12. Write all the integers marked on the following number line.



13. The distance between the two cities A and B is 95 km. Round it off to the nearest 10.

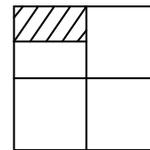
14. Draw the angle which is greater than a right angle in magnitude and less than a straight angle in magnitude. What is type of that angle?

15. A vendor estimated that he can make 10 packets of tea dust using 500g of tea dust. Find the estimated number of packets of tea dust he can make using 5 kg.

16. What is the,

- (i) Vertical number of faces of a Cube?
- (ii) Horizontal number of faces of a Cube?

17. Write the shaded part as a fraction of the whole figure.



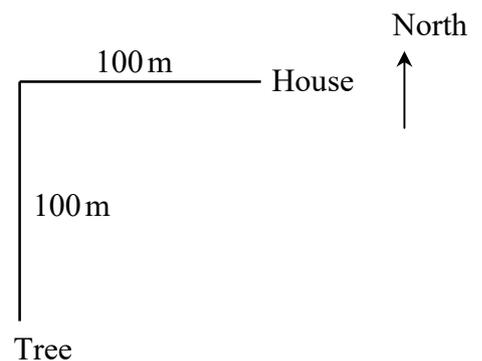
18. The school started at 07:30. If the school ended 6 hours later, write the school ended time in standard form.

19. Fill in the blanks using '<' or '>' correctly.

(i) $-5 \dots\dots 2$

(ii) $0 \dots\dots -3$

20. What is the direction of the tree if you are looking from the house?



* *

Part II

* Answer all the questions.

1. (a) There are seven cards numbered as 1, 2, 3, 4, 6, 7, 8.

- (i) Write the largest number you can write using all the cards each at once in standard form. (02 marks)
 - (ii) Write how you read that number. (02 marks)
 - (iii) What is the smallest number you can write using all the cards with odd numbers from the above? (02 marks)
 - (iv) What is the value represented by 7 in the number written in (iii)? (02 marks)
- (b) Represent 2043 in an abacus. (02 marks)

2. (a) Write the suitable numbers in the blanks.

$$\begin{array}{r} \text{(i)} \quad 5 \square 4 \\ + 20 \square \\ \hline 802 \end{array} \quad (02 \text{ marks})$$

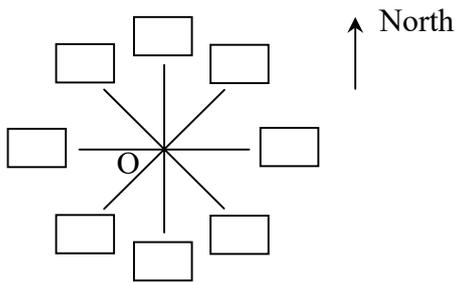
$$\begin{array}{r} \text{(ii)} \quad 680 \\ - 2 \square 8 \\ \hline 40 \square \end{array} \quad (02 \text{ marks})$$

(b) Simplify.

$$\begin{array}{r} \text{(i)} \quad 421 \\ \times 56 \\ \hline \hline \end{array} \quad (03 \text{ marks})$$

$$\text{(ii)} \quad 6816 \div 16 = \quad (02 \text{ marks})$$

3. (a) Write the given letters in the related blank.



- (i) A is to the north of O (01 marks)
- (ii) B is to the west of O (01 marks)
- (iii) C is to the south-east of O (01 marks)
- (iv) D is to the north-east of O (01 marks)

(b) Write the type of angle you get when you measure the direction clockwise starting from the north.

- (i) Angle between north and east. (01 marks)
- (ii) Angle between north and south-east. (01 marks)
- (iii) Angle between north and south. (01 marks)
- (iv) Angle between north and north-west (01 marks)

(c) Write whether the two ropes of a swing are vertical or horizontal when it is at rest. (02 marks)

4. (a) Yasara spent 2 minutes and 56 seconds to complete a running event. Hiruni spent 12 seconds more than Yasara to complete the same.
- (i) How much time did Hiruni take to complete the event? (02 marks)
 - (ii) Find the total time spent by them both. (02 marks)
 - (iii) If the event started 10 minutes past 2 in the afternoon, find the time they both ended the event separately and represent in standard form. (04 marks)

(b) Find the value.

(i) Days Hours

$$\begin{array}{r} 12 \quad 16 \\ + 4 \quad 21 \\ \hline \\ \hline \end{array}$$

(02 marks)

5. (a) The number of hours of power cut to different zones named A, B, C, D is as follows.

Zone	Number of hours
A	2
B	1
C	4
D	6

- (i) Draw the number line. (02 marks)
- (ii) Mark A, B, C, D according to the above table on the number line drawn in (i). (02 marks)
- (iii) What is the zone with the least number of hours of power cut? (02 marks)
- (iv) Find the sum of the numbers of hours of power cut to the zones A and C and then find the zone with an equal number of hours of power cut to that (02 marks)

(b) Use the suitable inequality sign to fill the blank.

- (i) $-1 \dots\dots\dots 0$ (01 marks) (ii) $2 \dots\dots\dots -2$ (01 marks)

6. (a) Name two incidents where you use estimation in day-to-day life. (02 marks)

(b) The rounded off number of books that Anya had to the nearest 10 is 50. She gave 11 books out of that to her sister. The rounded off number of books Anya now has to the 10 is 30.

- (i) What is the number of books Anya had initially? (02 marks)
- (ii) What is the number of books Anya has now? (02 marks)

(c) (i) The number of hours an athlete was training is 4 hours and 20 minutes. Find the time he was training in minutes. (02 marks)

- (ii) Write the time a day is started in international standard method. (02 marks)