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Department of Education, Southern Province

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Second Term Test, 2022

6 ශ්‍රේණිය Grade 6	MATHEMATICS	පැය දෙකයි Two hours

PART I

- ❖ **Answer all the questions.**
- ❖ **Each question carries 2 marks. (2 x 20 = 40)**

01. There is a number with two digits. Among them one digit is 3 and its place value is 10. The value represented by the remaining digit is 7. Write the number.

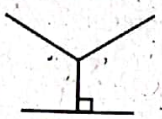
02. When a number is rounded off to the nearest 10 is 60
Write
(i) The largest possible number

(ii) The smallest possible number it can be taken

03. How many circles are there in the given figure.

04. Find the value.

$$\begin{array}{r} 7.5 \\ +\ 3.25 \\ \hline \end{array}$$

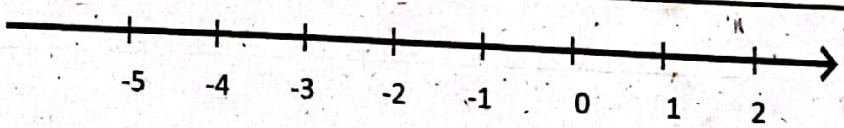
05. (a) 

(b)

Select the figure that contains acute angle, obtuse angle and right angle in same figure.

06. Add.

Minutes	seconds
5	35
+ 2	40

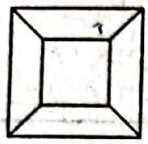
07. 

Mark an integer less than (- 3) on the number line.

08. Sumith thrown a stone rapidly towards the north – east hits a tree on its way and returns to himself. What is the direction of travel after hitting the tree?

09. Simplify. 348 x 25

10. Write 3 multiples of 4 between 20 and 36

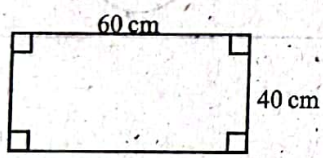
11. 

Find the number of
i) Squares
ii) Trapeziums in this figure.

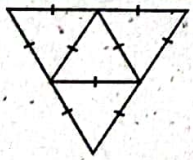
12. Add $\frac{2}{3} + \frac{1}{6}$

13. Write "Three billion seven thousand two hundred twenty one" in numerical form.

14. Sumith's fish tank holds 12 l 725 ml of water. Write it in millilitres.

15. 

Write the perimeter in metres.

16. 

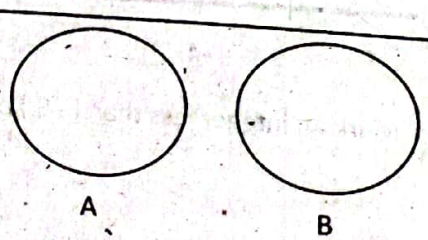
Name the solid which can be made using the given net.

17. What is the 8th term of the square number pattern 1, 4, 9, 16, ...

18. There are 78 passengers in a bus and 19 passengers get off the bus at one stop. Find the number of passengers remaining.

19. Write $\frac{42}{100}$ as a decimal number.

20. Separate 12, 15, 17, 23, 24, 29 in to two groups based on their common properties. Write suitable names for each group.



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PART II

- ❖ Answer 5 questions only. Each question carries 12 marks.
- ❖ Answer all the questions on this paper itself.

01. World Childrens' day programme at Didula College.

(1) 7.30 a.m.	School starting (religious rites)
(2) 7.45 a. m.	Singing children's day celebration song
(3) 7.55 a. m.	Chief Guest's speech
(4) 8.45 a. m.	Children's items
(5) 9.15 a. m.	Starting games (for children's day)

i) Prefects must arrive 30 minutes before school starts. Find the time they must arrive.

ii) Find the time duration of the chief guest speech.

iii) If the chief guest took 10 minutes extra time for his speech. Find the ending time of his speech.

iv) If the games ended at 1.10 p.m. write the time in standard way.

v) Find the total time duration of the children's day programme.

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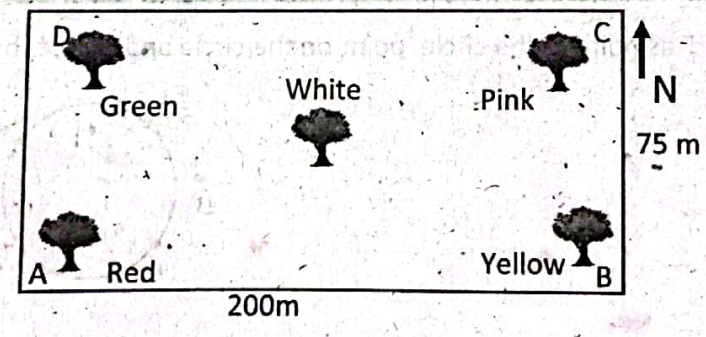
02. (a)The figure shows a rectangular flower garden of 200m length and 75m breadth. There are different coloured flower bushes in each place.



(i) Find the perimeter of the garden.

(ii) A gardener walks around the garden four times a day. Find the total distance he travels daily in km and m

(b) (i) A child is at the position A near the red flower bush. From which direction can he see the yellow flower bush.

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(ii) What type of flowers can be seen from the south east direction by a person in D?

(iii) What is the direction to travel from white flower bush to green colour bush?

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03. (a) 1564023211

i) Separate the number in to periods and write in words.

ii) What is the place value of 3 ?

iii) What is the value represented by it?

(b) (i) The daily income of a coconut husk cutting factory is Rs. 12 500. Find the total income for a week (7 days).

(iii) The factory owner spent Rs. 35 000 for a week to pay the salary of the workers. How much money will remaining after paying salary with the factory owner in the week?

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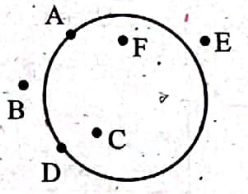
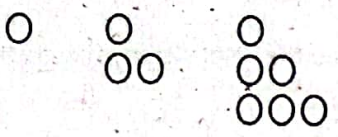
04. (i) Separate the points A, B, C, D, E, F as point in the circle; point on the circle and out of the circle.



(ii) Select and write the circular objects.

Plate, tyre, vegetable cutting board, ten cents coin, one rupee coin



(iii) write the number of circles shown in the each step of the circuar pattern and write the name of the patten.

(iv) Which square number is the sum of the circles in 4th and 5th steps in the above number pattern?

220941 - [illegible]

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(v) The length around a bus tyre is 2m. How many times does the tire rotate when the bus travels a distance of 300m?

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05. I) Write all the factors of 12

ii) Write 15 as product of two prime factors.

iii) Which of the numbers 5, 8, 10, 11 has more than two factors?

iv) Write first four multiples of 3

v) Choose the numbers that is not a multiple of 2 from the numbers 6, 8, 9, 10, 13

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06. I) What is the name of the angle that is smaller than two right angles and larger than a right angle?

ii) Complete the blanks in the statements below.
The angle which is equal to two right angles is .....and the angle which is smaller than a right angle is.....
A reflex angle is greater than ..... right angles.

iii) Draw a net to construct a cube.

iv) A student took two 3cm long cubes and paste them by keeping two faces of equal length exactly on top of each other to construct a new solid.
(a) What is the name of the solid constructed?

(b) Draw a face of that solid which is not square shaped with measurements.

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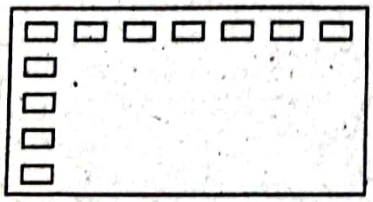
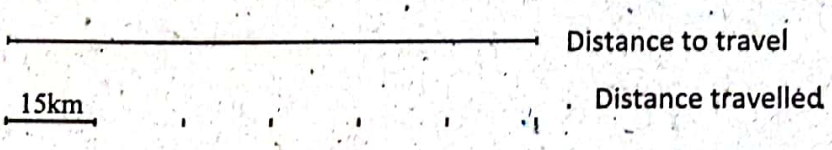
07. (I) Estimate the number of seats in this hall.



(ii) To prevent covid 19disease, the way of sitting in the hall was like this.

How many people can sit in the hall in this way?

(iii) Sayuri leaves for a journey from her car and travels 15 km as shown below.



What is the total distance of the journey?

(iv) Round off the numbers 24, 25, 26, 34, 43, 50 to the nearest 10 and add them.

(v) Nimal's marks for mathematics answer sheet when round off to the nearest 10 is 80. If he takes one more mark when it rounds off to the nearest 10 is 90. How many marks could he score?

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