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ආණ්ඩුවේ මතිප්පේ - 2019  
Year End Evaluation

கேள்விய  
தரம் } 06  
Grade }

# Mathematics

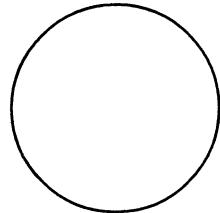
பதிய  
வினாத்தாள் } I , I  
Paper }

**Name:** ..... **Index No.:** .....

## Part I

- **Answer all the questions on this paper itself.**
- **Each question carries 02 marks.**

(1) In the given circle mark point A on the circle and mark point B outside the circle.



(2) Write the number 2 300 008 in words.

(3) Find the value.  $350 \div 14$

(4)

In the given number line,

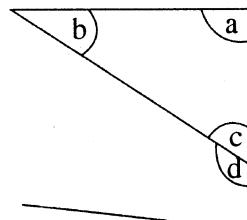
(i) What is the number denoted by  $P$ ? .....

(ii) From  $P$  and  $R$ , what is the largest number? .....

(5) In the given figure.

(i) Name a right angle.

(ii) Name an obtuse angle.



(6) There is a box of matches on the teacher's table.

(i) How many horizontal edges are there in it? .....

(ii) How many vertical edges are there in it? .....

(7) Write the following fractions in ascending order.

$$\frac{1}{5}, \frac{1}{2}, \frac{1}{3}, \frac{1}{4}$$

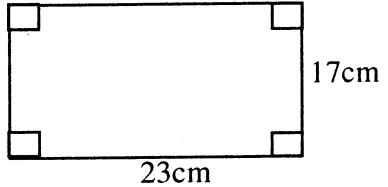
(8) Separate the following items into two groups and write down in the given circles.

Pen, Trouser, Eraser, Pencil, Shirt, Vest



(9) Write two characteristics of a rhombus.

(10) Find the perimeter of the figure.



(11) Express 18 using tally marks.

(12) Find the value.  $13.62 + 4.79$

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(13) Is 4 a factor of 22? Give reasons.

(14) Fill in the blanks using the inequality signs  $>$  or  $<$ .

(i)  $2.51 \text{ } \underline{\hspace{1cm}} \text{ } 2.05$

(ii)  $\frac{28}{100} \text{ } \underline{\hspace{1cm}} \text{ } \frac{3}{10}$

(15) Write down in the blanks whether each of the expressions states a known constant. Or an unknown constant.

(i) The Number of potatoes in one kilogramme of potatoes. ....

(ii) The number of days in a week. ....

(16) Number of passengers in a bus is  $x$ . If 4 of them got off from the bus, write an algebraic expression for the remaining passengers in the bus.

(17) The number of coconuts in a heap of coconuts is rounded off to nearest ten, the value obtained is 50. When one coconut is removed from the heap and rounded off to nearest ten, the value obtained is 40. How many coconuts were there in the heap of coconuts?

(18) Find the value.

minutes	seconds
12	16
- 4	18
<hr/>	

(19) The value of 1 US dollar is Rs. 180. Express the value of 100 US dollars in rupees.

(20) Express the ratio between 2 rupees and 25 cents in its simplest form.

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## Part II

- Answer the first question and another 4 questions only.
- First question carries 16 marks and other questions carry 11 marks each.

(1) (a) According to the lesson "solids" that you have done in the class room, answer the following questions.

- Name three solids that you have made?
- Draw a net of the above mentioned solid.
- Write down separately, the number of edges, vertices and faces of the solid with only triangular faces.

(b) Students in a certain class, brought 2 liters of orange juice and 500 ml of lime juice to make a fruit drink.

- How many milliliters of orange juice were brought?
- If the fruit drink were made by mixing 4 liters of water with orange juice and lime juice, express the quantity of fruit drink made in litres and milliliters.
- If one student gets 250ml of fruit drink, how many students can be served from the total quantity of fruit juice.
- Write the ratio of the quantities of orange juice, lime juice and water in the fruit drink in its simplest form.

(2) A chart of numbers prepared by a group of students for a certain game is given below.

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

- In the chart, what are the even numbers less than 10?
- Select and write the prime numbers between 18 and 28 from the chart.
- Write down the two largest square numbers in it.
- Write down the triangular numbers between 1 and 10 shown in the chart.
- Write down all the factors of 18.

(03) Information on the items sold by a vendor during a certain day is given below in the table.

Item	Quantity sold	Selling price of 1kg
Potatoes	15kg	Rs. 120
B. Onions	5kg 500g	Rs. 150
Dhal	8kg	Rs. 140

- What is the quantity of dhal sold in grams?
- What is the total mass of the items which were sold?
- What is the total amount received by the vendor by selling these items during that day?

(4) (i) Write in index form.  $3 \times 3 \times 3 \times 3$ .  
(ii) Expand.  $2^5$ .  
(iii) Find the value of  $2^2 \times 3^2$ .  
(iv) Express 16 as a power of 2.  
(v) Write the largest value from  $2^3$  and  $3^2$ .

(5) Using the fractions given in the cage, answer the following questions.

$\frac{1}{4}$	$\frac{3}{4}$	$\frac{6}{8}$	$\frac{2}{9}$	$\frac{2}{3}$	$\frac{8}{12}$	$\frac{8}{9}$
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(i) Write down a unit fraction.  
(ii) Write down an equivalent fraction for  $\frac{3}{4}$ .  
(iii) Write down the simplest equivalent fraction for  $\frac{8}{12}$ .  
(iv) Simplify.  $\frac{2}{9} + \frac{2}{3}$   
(v) Simplify.  $\frac{3}{4} - \frac{1}{2}$

(6) Following table represents the marks obtained by Sanath for 05 subjects in the first term evaluation.

Subject	Marks	Value when rounded off
Mathematics	77	.....
English	65	.....
Science	72	.....
Sinhala	69	.....
Religion	60	.....
Total	.....	.....

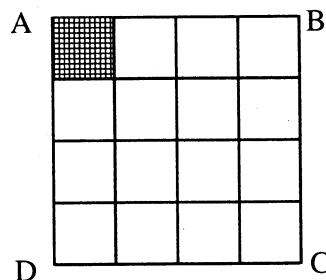
(i) Copy the given table in your answer sheet and complete it.  
(ii) Find the total marks obtained by Sanath. Calculate the sum of the rounded off values too.  
(iii) What is the difference between the sum of the marks obtained by Sanath and the sum of the rounded off values?

(7) (a) Number of passengers travelled in a certain bus during 4 journeys is given below in the table.

journey	Number of passengers.
1 <sup>st</sup>	55
2 <sup>nd</sup>	70
3 <sup>rd</sup>	60
4 <sup>th</sup>	45

Denote 10 passengers from the symbol  , and represent this data in a picture graph.

(b) Side length of a small square shown in the figure is 1 cm.



- What is the perimeter of ABCD figure?
- What is the area of the shaded square?
- What is the area of the whole figure?