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மேல் மாகாணக் கல்வித் திணைக்களம்  
Department of Education - Western Province

වර්ෂ අවසාන ඇගයීම  
ஆண்டிறுதி மதிப்பீடு - 2016  
Year End Evaluation

පෙළ-පිට  
தரம் } 06  
Grade

විෂය  
பாடம் } Mathematics  
Subject

පත්‍ර  
வினாத்தாள் } I, II  
Paper

කාලය  
காலம் } 02 Hours  
Time

Name :- .....

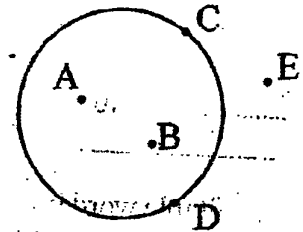
Index No :- .....

Part I

- \* Answer the question 1 to 20 on this paper itself.
- \* Each question carries 02 marks.

(01) According to the figure,

- (i) Name a point on the circle.
- (ii) Name a point outside the circle

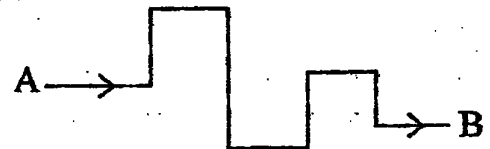


(02) The table shows the time Sandamini goes to bed at night and the time she wakes up in the morning. Fill in the blanks in the table.

Situation	Time according to 12 hour clock	Time in standard form
Goes to bed at night	9.30 pm	(i) .....
Wakes up in the morning	(ii).....	04 : 30

(03) Express 12kg 500g of dhal in grammes.

(04) Basith walked from a point A to the point B as shown in the figure. How many times did he walked forwards the East?



(05) Find the quotient and the remainder of  $218 \div 9$ .

(06) In the number 80 425, how many times does the value represents by 4 is larger than the value represents by 2?

(07) Fill in the blanks using the symbols  $>$  or  $<$  appropriately.

(i)  $\frac{3}{5}$  .....  $\frac{3}{8}$

(ii)  $\frac{11}{12}$  .....  $\frac{5}{6}$

(08) Write suitable names for the following groups.

(i) { 2, 4, 6, 8, 10 } - .....

(ii) { km, m, cm, mm } - .....

(09) Fill in the blanks with the suitable numbers.

40 = 5 x .....

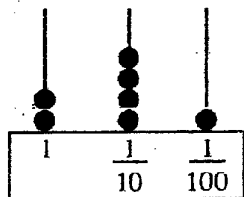
40 = ..... x 10

(10) Select the suitable word from the bracket and fill in the blanks.

(i) All the angles in a rectangle and a square are .....  
(obtuse angles, right angles, acute angles)

(ii) In a....., the distance between only one pair of opposite sides are same. (quadrilateral, parallelogram, trapezium)

(11)



Write the number represented by the abacus.

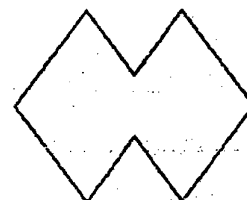
(i) In digits .....

(ii) In words .....

(12) Write down the number of acute angles and the number of reflex angles shown inside the figure...

Number of acute angles - .....

Number of reflex angles - .....



(13) Number of students in grade 06 classes are given below.

6A  $\rightarrow$  42    6B  $\rightarrow$  48    6C  $\rightarrow$  45    6D  $\rightarrow$  35    6E  $\rightarrow$  34

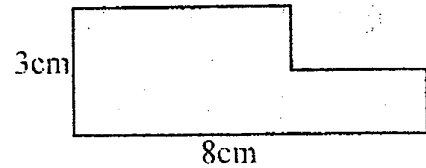
When the number of students are rounded off to nearest multiple of 10, in which classes do the value obtain be 40?

(14) Write whether the answer of each of following expressions is even or odd without solving it.

i.  $53 + 27$  .....

ii.  $53 \times 27$  .....

(15) Find the perimeter of the plane figure.



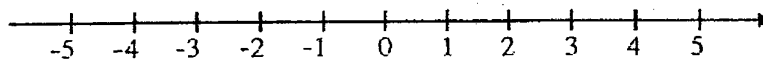
(16) A person bought 2 liters of paint and used  $1 \frac{1}{2}$  of it to colour a wall. Find the remaining quantity of paint.

(17) Fill in the blanks.

(i) Number of faces in a cube is.....

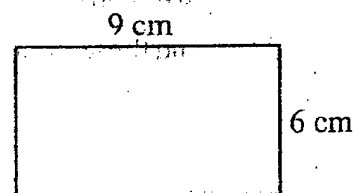
(ii) The shape of a face in a tetrahedron is.....

(18) Mark all the integers between -1 and 2, on the number line given below.



(19) If  $x = 8$ , find the value of  $15 - x$ .

(20) Find the area of the rectangle given in the figure.

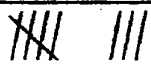
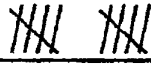




## Part - II

- \* Answer the first question and another 04 question only.
- \* First question carries 16 marks and other questions carry 11 marks each.





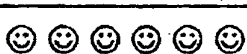
(01) (a) The information collected by a group of students regarding the number of different types of trees in the school garden is given below in the table.


(i) Copy the table into your answer sheet and complete the table.

type of the tree	tally mark	No of trees
Jack		08
Mango		.....
Breadfruit	.....	07
Coconut		.....
Rambutan	.....	04

- (ii) Denote 2 trees by the symbol  and represent the above data in a picture graph.
- (iii) State an advantage of representing information in a picture graph.

(b) The information collected by another group of students regarding the number of absent students during a certain week is given in the picture graph.

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

- (i) If 24 students were absent on Friday, how many students are represented by the symbol  ?
- (ii) How many more students were absent on Thursday than on Tuesday?
- (iii) Find the total number of students that were absent during the week.

- (02) (a) (i) Name a measuring instrument that you can use to measure the length of a school building.
- (ii) If the length of the building is 40m and the breadth of it is 12 m, find the perimeter of it.
- (iii) There are 15 steps in the staircase of building. If the height of one step is about 20 cm, estimate the height of the building.

- (b) (i) The mass of a fish is 3250 g. Express it in kilograms and grammes.

(ii) Add

$$\begin{array}{r} \text{kg} \quad \text{g} \\ 6 \quad 875 \\ + 2 \quad 325 \\ \hline \end{array}$$

(ii) Subtract

$$\begin{array}{r} \text{kg} \quad \text{g} \\ 8 \quad 400 \\ - 3 \quad 575 \\ \hline \end{array}$$

- (03) (a) (i) Write down an example for each of the instances where we use ratio and rates in our daily activities.
- (ii) Write down how to read the ratio 4:5 and write an equivalent ratio for it.
- (iii) Mother used 400 ml of fruit juice and 1/200 ml of water to make a fruit drink. Write the ratio of the fruit juice to water in its simplest form.

- (b) (i) If the price of 5 books is Rs. 115, find the price of 3 books.

- (ii) A motor car travels 12 km from 1/ of fuel. How many litres of fuel are needed to travel 60 km?

- (04) (a) (i) Copy down the following table into your answer sheet and fill in the blanks.

First term	Second term	Sum of the first term and the second term
$a$	5	.....
.....	$y$	$8 + y$
$p$	.....	$p + 10$

- (ii) The number of books in a certain box was  $p$ . If 12 books were taken out from it, write an algebraic expression to represent the remaining number of books in the box.

- (iii) If  $p = 50$ , find the remaining number of books in the box.

- (b) (i) Write in ascending order.  $\frac{1}{5}, \frac{1}{8}, \frac{1}{6}$

- (ii) Find the value.  $\frac{2}{3} + \frac{1}{6}$

- (iii) Find the value.  $\frac{7}{15} - \frac{1}{5}$

(05) (a) (i) Write 64, as a power of 2.

(ii) Write in index form.  $2 \times 2 \times 2 \times 3 \times 3$

(iii) Find the value.  $3^2 \times 5^2$

(b) (i) Complete the blank using the suitable symbol,  $>$  or  $<$ .  $0.5 \dots\dots\dots 0.32$

(ii) Write the following decimals in ascending order: 1.01, 10.1, 1.1, 0.11

(iii) Find the value.  $2.88 + 3.52$

(06) (a) Answer the following questions by using the numbers in the cage.

2, 3, 4, 6, 9, 12, 20, 36, 45

(i) Write down all the prime numbers in the cage.

(ii) A square number can be obtain by adding two triangular numbers in it. What are those two numbers?

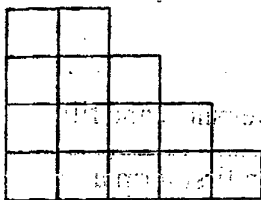
(iii) Which number belongs to both triangular and square number patterns?

(iv) Select and write down two numbers which have only 3 factors.

(b) (i) Write the number 218320500 in standard form.

(ii) Write the number in words.

(07) (a) The length of a small square shown in the figure is 1 cm.

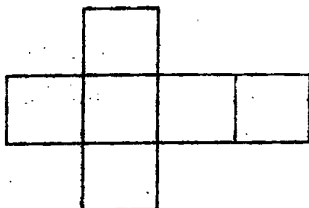


(i) What is the area of a small square?

(ii) Find the area of the given figure.

(iii) Find the perimeter of the figure.

(b) The following figure is a net of a certain solid which was cut by a child using a cardboard. The length of the side of a small square in it is 5 cm.



(i) What is the name of the solid which can be made using the above net?

(ii) Write down the number of edges and the number of vertices in that solid.

(iii) Calculate the total area of the cardboard which was used to make the above net.