Grade 06

First Term Examination - 2017

Mathematics

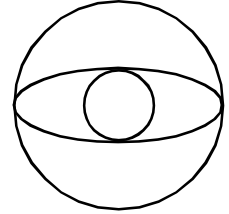Admission No : ☐☐☐☐☐   Time : 2 Hours

Part - I

🕐 **Answer all questions.**

1) In the given diagram how many circles are there?

2) In the number 59 631 find sum of the numbers illustrated by the first two digits from the right side.

3) Write "Three billion sixty thousand seventy five" in numerals.

4) 1280 , 4368
   Write down the above numbers as columns.

5) Express 8.15 p.m in 24hr clock time.

6) It takes $2\frac{1}{2}$ hrs to travel from Colombo to Kandy. Express the above time in minutes.

7) Add

	Hr	Min
	13	49
+	2	38

8) Subtract

	Min	Sec
	10	40
–	2	55

9) If Rs 4785 in divided equally among 15 students, how much each will receive?

10) Write | -5 , 1 , 0 , 4 | in ascending order.

....

11) Fill in the following blanks by using -4 , -2 , 5.

i) -3 > ....   ii) +4 < ....

12) State the types of angles a, b shown in the diagram.

a : ....

b : ....
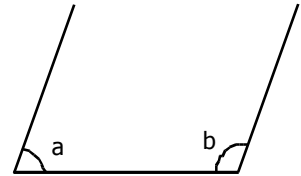
13) There are 475 oranges in a heap of oranges. If 298 of them are sold, find the balance.

14) Write the direction of B from A in the given diagram.
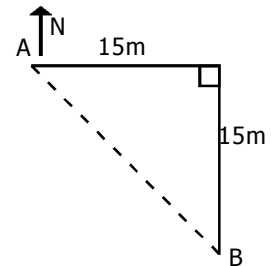
15) If a number approximated to the nearest 10, 60 is obtained. Find lowest and highest values of the number.

16) Fill in the blanks.

i) .... is used to find a plane is horizontal.

ii) .... is used to the vertical location.
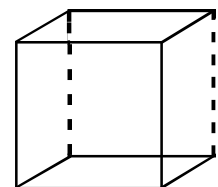
17) Write down your date of birth in standard notation.

18) If 378 is obtained when a number is multiplied by 10 and 228 is added. Find the number.

19) In a physical display there were 18 rows and 24 students is each row. Find the total number of students.

20) In the given cube find,

i) Horizontal edges   ....

ii) Vertical edges in the given diagram   ....

(40 marks*)*

(Answer five questions including question No 01.)

01. a) i) What is the maximum value that can be represented by the digit in the tenth place of a number.

    ii) What is value represented 5 in the number 67524.

    b) i) If a number is divided in to zones find the maximum number of digits that can appear in a zone.

    ii) Express 7685902613 in standard form.

    c) i) Expand 8653.

    ii) A student has written a number in the following form.

    | Billion Zone | - 876 | Unit Zone | - 350 |
    | Million Zone | - 125 | Thousand Zone | - 420 |

    Write down above number.

    d) i) Write down the maximum number that can be written by using the following 7 digits.

    9, 6, 8, 0, 5, 1, 2

    ii) "Six billion and eighteen". Write down the above number in numeral form seperating that into zones.

    (16 marks)

02. a) The given diagram shows the targets of 7 people who participated in shooting competition. It the bullet hits on the circle 8 marks will be given and if it hits in side 5 marks will be given. No marks for the bullets which hit outside the circle.
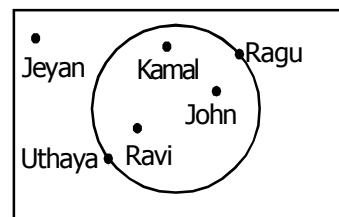
    i) Which competitor who didn't get any marks.

    ii) Who got 8 marks?

    iii) How many of them got 5 marks.

    (5 marks)

    b) Fill in the blanks.

    i) 65312 x 1 = ...
    ii) 30075 x 0 = ...
    iii) 54 891 ÷ 1 = ...
    iv) 275 x 10 = ...
    v) 0 ÷ 25412 = ...
   vi) 34280 ÷ 10 = ...

    (6 marks)

03. A school decided to help people in a disaster. In the regard they decided to collect Rs 75/- from each student. There are 8 classes with 40 students and 12 classes with 45 students.

    i) How many classes are there in the school?

    ii) Find the total number of students in the 40 students class.

    iii) Find the money received from the above eight classes.

    iv) How many students are there in the classes with 45 students.

    v) Find amount of money received from the above 12 classes.

    vi) Find the total money received.

    (11 marks)

04. i) Add   ii) Subtract   iii) Multiply   iv) Simplify by long division

       529   2573   805

       754   − 1089   ✕ 47 $2244 \div 17$

    + 388

(11 marks)

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05. i) Draw a number line and illustrate the digits -4 to 6.

    ii) Illustrate the numbers A = (-1) , B = (+4) , C = (-3) , D = 0

    iii) Marks *(√)* or *(✗)*.

        a) (-7) > 0   ....   b) (-3) < 2   ....

    iv) Write down all the numbers between (-3) and (+3) in decending order.
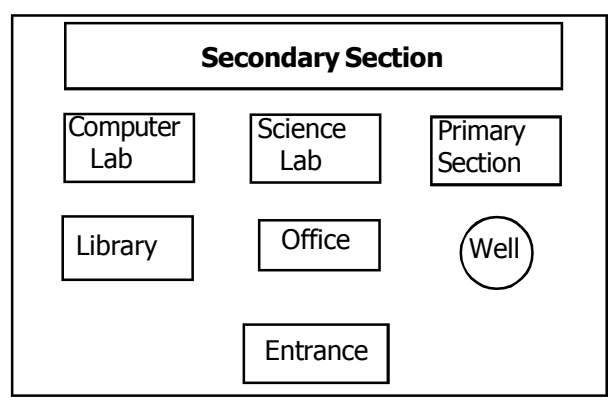
(11 marks)

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06. a) Write down the angles a, b, c, d, e shown in the given diagram are of what type.
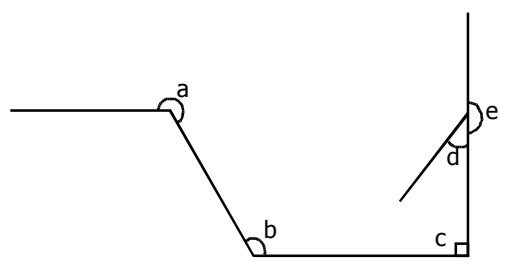
(5 marks)

    b) The following diagram shows the horizontal diagram of a school. Fill in the blanks of using the diagram.

       i) Office is .... of the entrance.

       ii) .... and .... are in west of the well.

       iii) .... and .... are in the east of science lab.

       iv)   Library is in .... of the computer lab.

(6 marks)

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07. It takes 1hr 15 minutes and 25 minutes to travel from Colombo to Katunayake by old road and new road respectively.

    i) Find the time saved by travelling in the new road.

    ii) If a person to be at Katunayake at 1.45pm.

       a) Express starting time from Colombo by new road in 12hr clock.

       b) If he travelled by old road draw the starting time in a clock.

    b) Kumar approximated his total term marks to the nearest ten 840 is obtained. If he reduces his marks by and approxtimatis 830 is obtained. Find his total marks.

(11 marks)