

Mid Year Examination 2015 Mathematics

Grade 06

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Time: 2 hours

Name/ Index No.

Part I

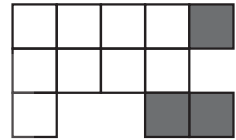
- Answer all questions on paper itself.

01 The price of 10 string hoppers is Rs. 30.00. Find the price of 75 string hoppers.

02 Write the following numbers in ascending order.

1.11 , 1.1 , 1.01 , 0.11

03 Express the shaded part as a fraction.



04 What is the capacity of a container marked $1\frac{1}{2}$ litres in millilitres ?

05 What is the shape of the faces of a cube ?

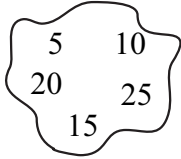
06 What is the smallest prime number ?

07 Express $2\frac{3}{5}$ m in centimetres.

08 Write all numbers between 47 and 53, divisible by 2 without a remainder.

09 Write the fractions given below in ascending order.

$\frac{5}{8}$, $\frac{5}{12}$, $\frac{5}{6}$

10	Sumana cut a piece of ribbon of length 40cm from a ribbon of length 1m 50cm. What is the length of the remaining piece ?	
11	Suggest a suitable name for a group of numbers.	
12	Draw the number 0.23 in an abacus.	
13	Write names of two solids in your home that has shape of a cuboid.	
14	Draw a diagram of a parallelogram.	
15	What number when squared is 121 ?	
16	The price of 3 buns is Rs. 22.50. Find the price of a bun.	
17	Simplify. $\frac{5}{12} + \frac{7}{12}$	
18	One glass holds 200ml of soft drink. What is the amount of soft drink needed for six people at 1 glass per head ?	
19	Write this number in digit form. "zero point three zero five"	
20	Write 45 as a product of prime numbers.	

Part - II

- Answer first question and four other questions. 16 marks in first question and 11 marks in each other questions.

- 01 (a) (i) Show the number in abacus. 2.6843
 (ii) In the number 2.6843
 1. What is the digits denoting one hundredths ?
 2. What is the value denoted by 4 ?
 3. How many times the value represented by 4 is the value of 8.
 4. Which digit represents the least value ?

- (b) Fill in the blanks in the following expression.

$$3.2567 = 3 \times 1 + (2 \times \frac{1}{10}) + (\dots\dots\dots) + (6 \times \frac{1}{1000}) + (\dots\dots\dots)$$

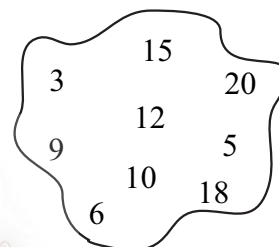
$$3 + 0.2 + \dots\dots\dots + \dots\dots\dots + 0.0007$$

- (c) (i) Add the following $2.5426 + 0.763 + 62.1$

- (ii) Subtract the following $32.8 - 6.045$

- 02 (a) (i) Separate the following numbers in to two groups.

- (ii) Suggest two suitable name for the two groups.



- (b) Use the digits 7, 1, 0, 2 and write three numbers with 4 digit to present multiples of 10.

- (c) (i) Write all possible ways of presenting 36 as a product of two numbers and list out all factors.

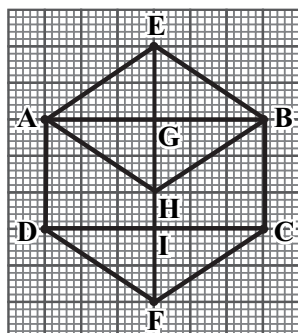
- (ii) Write three numbers that have only 2 factors. What is the name of that numbers ?

- 03 (a) (i) State the properties of a rohmbus.

- (ii) How can a rohmbus be formed using a square made out of sticks.

- (b) Write three objects that have triangular plane shapes.

- (c) Examine the following shapes and name the type of quadrilateral.



	Shape	Name of the quadrilateral type
1.	ABCD	
2.	AGID	
3.	AEBH	
4.	BHFC	
5.	BHIC	

- 04 (a) The equal cylindrical vessels contain soft drinks. One vessel is filled up to $\frac{5}{6}$ and the other $\frac{2}{3}$ which vessel has more drinks ?

- (b) Relate the fractions $\frac{3}{4}$ and $\frac{7}{12}$ using the suitable sign " $>$, " $<$ " or " $=$ "

- (c) Capacity of a bottle is $\frac{3}{4}$ litres. It is filled with $\frac{5}{12}$ litres of milk. What is the quantity of milk in litres that should be added to fill the bottle.

(d) Simplify. $\frac{3}{4} - \frac{5}{8} + \frac{1}{2}$

- 05 (a) Complete the following table.

in litres	in litres and millilitres	in millilitres
$2\frac{3}{4} \text{ l}$		
1 l	$1 \text{ l } 750 \text{ ml}$	
0.5 l		

- (b) (i) A bottle x contains $1 \text{ l } 390 \text{ ml}$ of milk. Bottle y contains $2 \text{ l } 750 \text{ ml}$ of milk. Find the quantity of milk in bottle x and y .
(ii) If $1 \text{ l } 875 \text{ ml}$ of milk were used, find the quantity of milk remaining.

- 06 (a) Write the next two numbers of the following number patterns.

(i) 1, 4, 9, 16,,

(ii) 1, 3, 6, 10, 15,,

- (b) According to the following group of numbers 3, 4, 5, 6, 7, 8, 9, 10

(i) What are the prime numbers out of the above numbers ?

(ii) What are the composite numbers out of the above numbers ?

(iii) What are the triangular numbers out of the above numbers ?

(iv) What are the odd numbers out of the above numbers ?

- (c) 41 students are taking part in a certain Drill display. When practicing the display they were trained to line up in two square pattens. Draw how they have to stand in the display.

- 07 (a) (i) How many 1. faces does a tetrahedron have ?

2. vertices does a tetrahedron have ?

3. edges does a tetrahedron have ?

(ii) What shape do the face of a tetrahedron take ?

- (b) Make two equal tetrahedron and paste them together so that one of one tetrahedron is placed on a face of the other. Find the number of edges, faces and vertices of this new solid.

- (c) Fill in the blanks.

$2.5 \text{ m} = \dots\dots\dots \text{ cm}$ $8500 \text{ cm} = \dots\dots\dots \text{ m}$

- (d) Find the perimeter of the figure.

