රව්මය මුද්ග රව්මන්ඩ විදහලය ගාල්ල රව්මන්ඩ වැනල ලිල්ල විටේඩ පිපිළිත් සිටුල්ල පිරිවේ පිළිත් සිටුල්ල පිරිවේස් පිළිත් සිටුල්ල රව්මන්ඩ විදහලය ගාල්ල රව්මන්ඩ් පිළිත් සිටුල්ල පිරිවේස් පිරිවේස් පිළිත් සිටුල්ල පිරිවේස් පිටිල්ල පිරිවේස්	ය ගැන්ව දිරමින්ව් වැසදෙනල්ල ඊච්මන්ඩ් විදහලයගාල්ල 1110ක් නම්න්ව් විදහලයනල්ල ඊච්මන්ඩ් විදහලයගාල්ල 12 ගාල්ල ඊච්මන්ඩ් විදහලයනල්ල ඊච්මන්ඩ් විදහලයනල්ල
ගණිතය - I, II Mathematics - I, II	Duration :- 1 hour 30 minutes
Name : Index No :-	Grade 7
Part I	
• Answer all the questions.  (01) There were 175 eggs in a box 9 of them had been broken. Find the	number of remaining eggs.
(02) Write the number of axes of symmetry in the following figure.	
(03) Find the digital root of the number 2576.	
(04) Express the coloured protion as a faction of whole figure.	
(05) M = {Letters of the word 'MAHARAGAMA'}	

Grade 7 (Mathematics) First Term Test - 2019

Write the elements of the set M within curly brackets.

(06)	Select and write	down the Pa	air which is	s not a prime number
	(i) (7,2)	(ii) (5 <i>,</i> 3) (	(iii) (1,3)	(iv) (2,11)
(07)	Write the base ar	nd the index	of 2 <sup>3</sup>	
(US)	Write down the o	contury which	sh yoar AD	1915 holongs
(08)	write down the c	entary wind	ii yeai Ab	1013 belongs.
(09)	Without dividing	select the r	numbers w	vhich are divisible by both 6 and 9
		222, 4152,		
	2100, 0	,,		
(10)		wing express	sion as a p	product of powers.
	$a \times a \times a \times b \times b$			
(11)	Write two mathe	matical inst	ruments v	which can be used to draw parallel lines.
` ,				·

(12) Fill in the blanks

- (13) Place a ( $\checkmark$ ) next to correct expression and place a (x) next to when it false.
  - (a) There are equal number of axes of symmetry in both circular lamina and square (
  - (b) In a bilaterally symmetric figure, the two parts either side of an axis of symmetry are equal in area ( )
- (14) Simplify

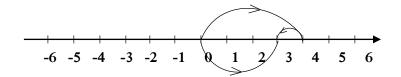
$$32 \div 8 \times 2$$

- (15) Evaluate 3258 + 17 + 38
- (16) Simplify (Express the answer in simplest from)

$$\frac{3}{8} + \frac{1}{8}$$

(17) Write the largest number that can be written using the digits 7,8,6 and 3 which is divible by 6

(18) Fill in the blanks.



(19) Write the name of the direction to form an obtuse angle which starting from the north clockwise.

(20) Find the smallest number remains I when it is divided by 2,3 and 4.

$$(2 \times 20 = 40)$$

## Part II

## **Answer only five question**

(01)

(i) Separate the following numbers in to two groups and name them.

(02 Marks)

- (ii) Select and write down the set from the followings
  - (a) Quadrupeds

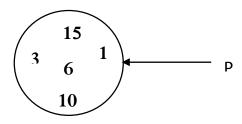
(b) Tall Students

(c) Compound Numbers

(d) Clever Students.

(02 Marks)

(iii)

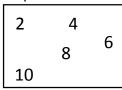


Write the elements of the set P within curly brackets.

(02 Marks)

(iv) D = {Even number between 1 and 10}

The above set has been represented on the venn Diagram as follows.



Write down two errors have been done in the above diagram.

(02 Marks)

(v) Represent the above set D by a venn diagram correctly

(02 Marks)

(02)

(a)

I. Complete the table given below

Number	All the factors
36	
24	

(02 Marks)

II. Write down common factors of 36 and 24

(02 Marks)

(02 Marks)

III. Length and the breadth of the rectangular paper are 36 cm and 24 cm respectively. Find the largest length of a side of a square which could cut out the paper without any waste.

(b) A farmer has given  $\frac{1}{3}$  and  $\frac{1}{4}$  of his land to two children.

I. What is the larger fraction

(02 Marks)

II. What is the amount of both lands as a fraction of whole land.

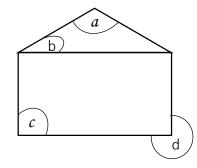
(02 Marks)

III. What is the fraction of remaining land

(02 Marks)

(03)

(i) Complete the following table according to the given figure.



Angle	Type of angle
а	
b	
С	
d	

(04 Marks)

(ii) Give an example for the following angles.

- (a) The angle which has Static nature.
- (b) The angle which has dynamic nature.

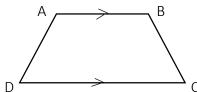
(02 Marks)

(iii) Draw a straight line segment and name it PQ

(02 Marks)

(iv) Draw a Straight line segment RS Parallel to PQ

(02 Marks)



In the given figure,

- I. Name pair of parallel lines (02 Marks)
- II. Name pair of straight lines which do not parallel to each other (02 Marks)

(04)

- I. To which decade does AD 2019 belong?
- II. Write the first and last years of the 19<sup>th</sup> century. (02 Marks)
- III. Manka Said that 'AD 1800 was a leap year' state whether the answer is correct or Wrong. Give reasons for your answer. (02 Marks)
- IV. Simplify

a)	ı	hours	minutes	seconds	b)	years	months	days
		2	15	32		2020	02	01
	+	1	46	35	-	2015	01	21
_								

(06 Marks)

(02 Marks)

(05)

- I. Express 81 as a power with base 3. (02 Marks)
- II. Write the power, where index is 5 and base is 2 (02 Marks)
- III. Expand and find the value of the above power. (02 Marks)
- IV. When P = 2 and q = 3, Find the values of the following expressions.

(a) 
$$2P^3q^2$$
 (b)  $P^2q$  (04 Marks)

(06) (i) Simplify

$$24 \div 2 (7-3)$$
 (03 Marks)

- (i) At the computation of the electricity bill Rs. 5.00 each charge for first 100 units and Rs. 8.00 each for the excess. If a certain house used 112 units, compute the monthly electricity bill,
  - a) Express as a numerical expression. (02 Marks)
    - b) Simplify the expression. (02 Marks)
- (ii) Evaluate

(iii) One day temperature was -4.0°c at 5.00 a.m and it has increased by 13°c by 2.00 p.m in a certain city in England. Find out the latest temperature in the city. (03 Marks)