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ලෝණිය Grade ] 7	විෂයය Subject } Mathematics		කාලය Time	- 02 Ho	
Name/ Index Numb	er	655 Jack 1896- 0° 68			
<ul><li>Answer all questio</li><li>Each question carr</li></ul>	<b>Paper</b> ns from 1 to 20 on this paper itself ies 02 marks in Paper I (02 X 20 =	I : 40 marks)			
1) Simplify : 15 – 9	) ÷ 3				
2) Find the value of	(+3) + (-7)				
3) Write two equivale	ent fractions for $\frac{2}{5}$ .				
4) Find the value of	5.25 × 100				
5) If $5x = 30$ , find th	e value of x.				

6) Write the type of this triangle, i. According to its side ii. According to its angles 00 7) Write all factors of 15. 8) 8 m length wire is cut into 20 equal parts. Find the value of one part in centimeters. 9) Express  $\frac{3}{4}$  as a decimal. 10) The length of a rectangle is more than 3 cm its breadth. If the breadth of the rectangle is 6 cm, find the perimeter of the rectangle. 11)Expand :  $a^2b^3$ 12) If the number 53[ ] is divisible by 9 without any remainder, then find the suitable value for the blank. 10. 13)Write down i. The decade ii. The century, of AD 1966 belongs

14) Write the suitable numbers for the blanks.  $3.06 \ l = \dots \dots ml = 3 \ l \dots \dots ml$ 15) Find the volume of a cube with side length  $6 \, cm$ . 16)Express 27 as a power of 3. 17)Simplify:  $5 m 21 cm \times 4$ 18)Simplify: 5x + 6y - 5x + y19)Simplify :  $3\frac{2}{3} - 1\frac{1}{3}$ 20)Is 2100 a leap year or not? Explain your answer.

1053					
Paper II Answer first question and another four questions. First question carries 16 marks and other questions carries 11 marks. Write the answers in another paper for Paper II and attach it to the Paper I.					
1) (	a) Re	call the memory about the activity done in your class, during the lesson "Circle'			
	i.	Name the tool that you used to construct circles in the mathematical tool set.	(1 mark)		
	ii.	By using that tools construct a circle with the radius 5 cm and name its center.	. (1 mark)		
	iii.	Make a point on the circle and name it as A.	(1 mark)		
	iv.	Extend $AO$ and name the point where it meets the circle again as $B$ .	(1 mark)		
	v.	What is the special name that you gave to the line segment $AB$ .	(1 mark)		
	vi.	What is the length of AB?	(1 mark)		
	vii. Recall and write down the conclusion you got according to the names and lengths of AO				
		and AB.	(2 marks)		
(b)	i.	Using the protractor, draw and angle of $100^{\circ}$ .	(2 marks)		
	ii.	Name it as $P\hat{Q}R$ .			
	iii.	Measure and write the magnitude of the given reflex angle.	(2 marks)		

(c) Using the straight edge and the set square,

- i. Draw a square with a side length of 4 cm and name it as ABCD. (2 marks)
- ii. Join A and C. Draw a parallel line to the AC which goes through B. (1 mark)

2) A sketch of a garden is given. $\leq 4m \geq \leq 12m$	<u></u>
ines next provide and the serve of a line next by the	
الله المالية المركب (100 من 100 م	10 m
2 Wegetables	
	]∳.
i. Find the perimeter of the garden.	(2 marks)
ii. Find the total cultivated area of flowers and vegetables.	(3 marks)
iii. Find the house situated area.	(2 marks)
iv. Find the total area of the garden.	(2 marks)
v. They are planning to build a fence around the garden. If 4 fence wires are used	d, find the
total length of the wires.	(2 marks)
	(,
3) (a) i. Fil in the blanks to indicate the given mixed number as improper fraction.	(3 marks)
$3\frac{2}{5} = \frac{5}{5} + \frac{5}{5} + \frac{[]}{5} + \frac{[]}{5} = \frac{[]}{5}$	(********)
ii. Nimal says that $\frac{2}{3} < \frac{3}{4}$ , Are you agreeing with the above statement?	(1 mark)
iii. Give the reasons for your answer.	(1 mark)
(b) Simplify. $4 3$	
$1. \frac{5}{5} - \frac{1}{10}$	(2 marks)
ii. $4\frac{1}{3} + 2\frac{2}{5}$	(3 marks)
iii. Express $\frac{5}{100}$ as a decimal.	(1 mark)
2.1約時間に10日1日1日1日1日1日1日1日1日1日1日1日1日1日1日1日1日1日1日	
4) (a) Kamal is v years old now	
i Write an algebraic expression to express Kamal's age 3 years ago	(1
ii. Kamal's father is 3 times and 4 years more elder than Kamal's present or	(1 mark)
algebraic expression for father's age	e. Write an
iii Construct an algebraic expression to show the father's comment and Kernel	(2 marks)
Vears ago as an addition	l's age 3
ive Simplify the above electronic evenession	(2 marks)
If Kamping the above algebraic expression.	(2 marks)
V. If Kallar is 15 years old now, now old is his father?	(2 mařks)
(b) If $a = 3$ and $b = -2$ , find the value of $2a + b$ .	(2 marks)

×

5) (a) i. Solve : 8x + 5 = 29

ii. Nimal gor Rs.6 as the balance when he gave Rs.150 to buy 6 books. By taking Rs.x as the price of one book, construct an equation and find the price of a book. (4 marks)

(2 marks)

(2 marks)

(1 mark)

- (b) i. Draw a regular and a non-regular polygon. (2 marks)
  - ii. Draw a concave polygon with 5 sides and one reflex angle. (1 mark)
  - iii. A house requires  $1kg \ 600g$  of rice for one day. What is the amount of rice required for a week? (2 marks)

6) (a)



i. Find the volume of this cuboid box.

ii. In a container, six of these cuboid boxes are arranged in two layers such that three boxes are in one layer. Find the length, breadth and height of this container. (3 marks)

iii. Show that the volume of this container is  $36 \ cm^3$ .

(b) Simplify.

 i. 3l 345ml + 2l 660ml
 (2 marks)

 ii. 9l 450 ml ÷ 3
 (2 marks)

 iii. Express 3l 60ml in liters.
 (1 mark)