முழுப்ப	3திவுசி ඇ205லி அப்புரிமையுடையது hts Reserved		RES B		
ຈັສສາງສິດ ເດິນອັນ ທາ Departma ຈັສສາງສິດ ເດິນອັນ ທາ Departma ຈັສສາງສິດ ເດິນອັນ ທາ	in the resolution ಕ್ರೀಯಿಸಿಹಾರಿನವುದಿ ಕಾಲೆಯಾರಿನ ವಿಶ್ವಜ್ ಗಾಗನಾಹಕ ಸಂವಿಷ್ಟೇ ಜೈಲಾನಾಹಹಿಕಗಾಗು ದಿರುವಿ ದಾಹಾನಾ ent of Education Western Province Department of E ರ್ಣಾನ್ ಪ್ರಮಿಂದಾ ಕ್ರೀಯಿಸಿಕಾರಿಯಾ ಕೊಂಡಿ ಮಾಡಿ ಮಾಡಿ ಗಾಗನಾಹಕ ಹಾಡಿದ್ದಾರೆ, ಜೊನಾತಾಹಿಕಗಾರು ದಿರುವಿ ದಾಹಾನಾ ವಾಗನಾಹಕ ಹಾಡಿದ್ದಾರೆ, ಜೀತರಾಗ ಸೇರುಗಾರ Department of E ರು ಲ್ಲಾವರೆ ಫೆಲಾಯರಾ ತ್ವಯದಿವಾರಿನವುದಿ ಹೆಂದಾನಿನ ಲ್ಲಾವರೆ ವಾಗನಾಹಕ ಹಾಡಿದ್ದಾರೆ, ಜೀತರಾಗ ಸೇರುಗಾರಿ ದಿರುವ (ದಾಹಾನಾ ent of Education - Western Province Department of L	බස්නාහිර පළාත් අධ மேல் மாகாணக் Department of Educ	கல்வித் தின	ணக்களம்	Lucron eccilone®ixing0 និងទំរាស់ថា ចម្ងនៅ កូបិនរាប គេលំនៅឆ្នំ អ្នីសារកាត់តេការ៉េ ដែលរំ ហោតហោត តំលំនា រាយបា - Western Province Department of Education រាយបា - Western Province Department of Education នៃលំនៅឆ្នំ អ្នីសារកាត់តំតារ៉េ ដែលរំ ហោតកោតកំ គល់ន នល់បា - Western Province Department of Education ហេលបា eccilone®ចង់ជួប និងខ្លាស់ថា ស្នាល់ ក្នុង សារ នល់នៅឆ្នាំ អ្នីសារកាត់តំតាល់ ដែលរំ ហោតកោតកំ គល់ន នល់នៅឆ្នាំ អ្នីសារកាត់តំតាល់ ដែលរំ ហោតកោតកំ គល់ន ation - Western Province Department of Education
		ஆண்டிறுத	ාන ඇගයීම §	- 2019	
ேஞ்∢ தரம் Grac		Mathematics		பேறும் வினாத்தாள் Paper	,II ສາලය காலம் Time 02 hours
Nam	e :			Index No :	
		Pa	rt I		
	Answer all the questi Each question carrie	ons on this paper itself s two marks.	•		·
(1)	From the following fi the corresponding let	gures, choose the figure w ter.	ith a correctly d	rawn axis of syı	mmetry and write down
		(b)		c)	
(2)	A = { Multipls of 3 t Represent set A in a	etween 0 and 15 }			
(3)	Simplify. 6 + 15	÷ 3			
(4)	Express 2 g 325 mg	-			
(5)	2	mation given in the figure triangle is QRS ?	, ` ,		S
-	(ii) What type of a	triangle is PQS ?		PQ	~
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(6)	162 is a 4 digit number, which is divisible by both 3 and 9. Write the digit suitable for the blank box.
(7)	Perimeter of the given rectangle is 28cm. Find the value of x. $x - \frac{8 \text{ cm}}{4}$
(8)	Dineshi's birthday is on 2003. 07. 15. Her sister is 4 years 5 months 20 days younger than her. What is her sister's date of birth?
(9)	Find the value. $(-9) + (+7)$
(10)	Price of an apple is Rs. a and the price of an orange is Rs. b . Write an expression for the price of 3 apples and 2 oranges in terms of a and b .
(11)	There are 5 vertices and 6 faces in a certain solid. Using the Eular's relation, find the number of faces in it.
(12)	 O is the center of the given circle. (i) Name the diameter of it. (ii) If the length of the diameter is 12 cm, find its radius.
(13)	Express as an improper fraction. $3\frac{2}{7}$
(14)	Length, breadth and height of a cuboid shaped package is 12cm, 8cm and 5cm respectively. What is the volume of it.?

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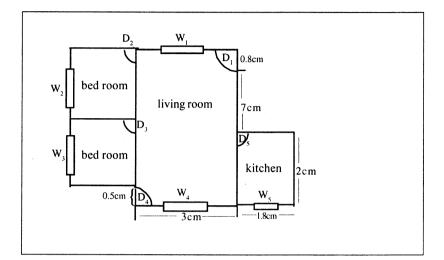
(15)	When making a sweet, masses of sugar, flour and butter used is 400g, 500g and 250g respectively. Find the ratio between sugar, flour and butter. Write the ratio in simplest form.					
(16)	What are the coordinates of the points A and B which are marked on the cartesian plane? y y y y y y y y y y					
(17)	A bottle of water contains $1 \ell 250 m \ell$ of water. How much of water is there in 6 such bottles?					
(18)	 A vendor bought 100 eggs. 8 eggs were damaged during transportation. (i) Express the number of unbroken eggs as a fraction of total number of eggs bought. 					
•	(ii) Express it as a percentage.					
(19)	From the following, select and underline the figure which can be used to make a pure tessalation.					
(20)	When a fair coin is tossed and the side that lands up is observed, write all the possible outcomes that will occur.					
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Part II

• Answer the first question and another 04 questions only.

• First question carries 16 marks and other questions carry 11 marks each.

(1) Following is a scale diagram of a land with house which is prepared by a group of grade 7 students for an activity in the lesson "scale drawing". The scale is 1 : 200.



- (a) (i) Find the actual length of the door D_1 .
 - (ii) Find the actual perimeter of the living room.
 - (iii) Find the actual area of the kitchen.
- (b) It is needed to add the following items to the house. Draw these items using the relevant scale in the given scale diagram. (Mark the measurments correctly)
 - (i) A rectangular shaped garage with the area 8 square meters, adjoining the house.

E

- (ii) A bath room with the length 5m and the breadth 3m.
- (a) (i) Write 243 as a product of prime factors.
 - (ii) Express it as a power.
 - (iii) Write in index form. $2 \times 2 \times 2 \times 2 \times x \times x \times y$
- (b) Find the values of the following expressions where a = 3 and b = 2.
 - (i) $a^2 b^3$

(2)

(ii) $4ab^2$

(3) (a) Using the given diagram, fill in the blanks in the table below.

B

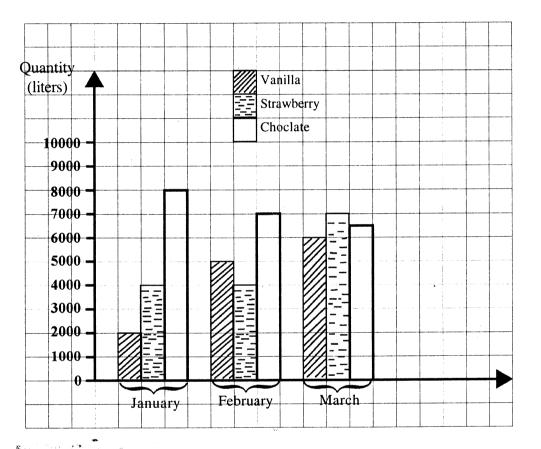
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	Angle $A\hat{B}C$ $B\hat{C}D$			Magnitude of the angle	Arms of the angle	Type of the angle	
					· · · · · · · · · · · · · · · · · · ·		
•							
	DÊF			270°	CD, DE		
				90°			
	(b)	Write	e an ex	ample for a static angle and	d a dynamic angle.		
(4)	(a)	Price of an apple is Rs. x. Price of an orange is Rs. 25. Three apples and two oranges cost Rs. 140.					
	(i) Using the above			g the above information, bu	uild up an equation.		
		(ii) Solve the above equation and find the price of an apple.					
	 (b) ABCD rectangle is divided into 5 small rectangle which are equal in area. Area of a small rectangle 3<i>a</i>. (i) If the area of the ABCD rectangle is A, but up a formula to show the relationship between the statement of the ABCD rectangle is A. 				l rectangle is le is A, build	H	
	 <i>a</i> and A. (ii) There is another rectangle in which the area is 4 square units less than the are rectangle. If the area of the new rectangle is B, build up a formula to show the ship between <i>a</i> and B. 						
	(iii) If $a = 2$, find the values of A and B separately.						
(5)	(a)	(i)	Expr	ess as a decimal number.	$1\frac{2}{5}$		
		(ii)	Expr	ess 2.3 as a fraction.			
	(b)	Find	the value.				
		(i)	2.04	3 × 4			
		(ii)	7.24	38 × 1000			
		(iii)	1.36	÷ 10			
		(iv)	25.8	24 ÷ 8			

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- (6) Using only the straight edge with the scale cm / mm and the pair of compasses, do the following constructions in a single diagram.
 - (i) Construct a circle with the radius 5cm.
 - (ii) Construct the regular hexagon of side length 5cm with its vertices on the above circle.
 - (iii) Name the hexagon as PQRSTU.
 - (iv) Create the equilateral triangle OPQ, taking PQ as one side and the point O lie on the circle.
 - (v) Measure and write the magnitude of $P\hat{O}Q$

(7) Certain ice - cream manufacturing factory makes vanilla, strawberry and chocolate flavoured ice - cream. Following multiple column graph provides information on the quantity of ice - cream issued to the market by the factory during first 03 months of a year.



- (i) Which flavour of ice cream shows a gradual increase in demand?
- (ii) What is the quantity of chocolate flavoured ice cream issued in January?
- (iii) What is the total quantity of ice-cream issued in February?
- (iv) What is the different between the quantity of chocolate flavoured ice cream issued in March and the quantity of strawberry flavoured ice cream issued in February?
- (v) If one liter of vanila flavoured ice cream is sold for Rs. 80, calculate the income gained by selling vanila flavoured ice cream during first 3 months.

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ରାରିଠ ଅଧିକାର ହୋଇଥିଲେ ସେମ୍ବର ସେଥି (mathspapers.info) ସେରିଶ ଅଭାନ୍ୟରେ ଅର୍ଥର ତ୍ରରାଠାର୍ଯ୍ୟର