Part I Caution: • Answer all questions in this paper • Each question carries 02 marks Draw axes of symmetry of this figure Write the set shown in this Venn diagram in anomethod Expand 3x ² Simplify 3-2 (3+1) Write a unit fraction and a proper fraction		SECOND TERM TERM
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Answer all questions in this paper Each question carries 02 marks Draw axes of symmetry of this figure Write the set shown in this Venn diagram in ano method Expand $3x^2$ Simplify $3-2(3+1)$ Write a unit fraction and a proper fraction Find the area of the square	Name :	
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Simplify 3 – 2 (3 + 1) Write a unit fraction and a proper fraction Find the area of the square		
Write a unit fraction and a proper fraction Find the area of the square	3) Expand 3x ²	
Find the area of the square) Simplify 3-2 (3+1	
This the area of the square) Write a unit fraction and a p	proper fraction .
	5.3cm	Find the area of the square
Find the value (+5) + (-2)	Find the value (+5) + (-2)	

9) Write 54 as a product of prime factors			
10) Solve 5x + 2 = 12			
11) Write 2 4 as a decimal			
12) C Measure and write the value of ABC A B			
13) A vehicle can run 550m distance by 18 of petrol. Find how much liters of petrol are necessary to run 1650m distance.			
14) Simplify algebraic terms 8x + 3y - 2x - y			
15) When a = 3, b = 2, find the value of expression 5a – 2b			
16) Write in index notation 5 x 5 x y x y x 5			
17) Find the value 0.0543 x 1000 100			
18) Find the least common multiple of 3 and 4			
19) To which century the year 2017 is belonged?			
20) Write in words $\frac{x+2}{2}$			

Part II

Caution:

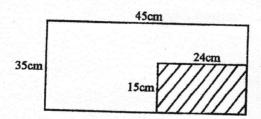
- Answer to the 1st question and any other 4 questions
- · Answer with steps in other sheets
- First question carries 16 marks and each other question carries 11 marks
- 1) Build up equations for below instances
 - i. When two is subtracted from x, the answer is 7
 - ii. When 5 is added to the three times of y, the result is 26
 - iii. When x is divided by three and 4 is added to it, the answer is equal to half of x
 - iv. Solve 5x + 2 = 22 by using flow diagram
 - v. Solve 4x 5 = 19 by algebraic method
 - vi. If m = 3, x = 4, c = 5, of y = mx + c, find the value of y
- 2) i. Draw a line segment by using a straight edge
 - ii. Mark points A and B such that AB = 7 cm on it
 - iii. Draw the arm AX such that BÂX = 60° on it
 - iv. Draw the arm BY such that ABY = 50°
 - v. Mark the intersecting point of lines AX and BY as C
 - vi. Measure and write the magnitude of AĈB
 - vii. Measure and write the magnitude of XÇY
 - viii.Write the relation in between angles XĈY and AĈB
- The length and breadth of bottom of a cuboid shaped vessel are 20 cm and 8 cm respectively. The height of it is 5 cm. <u>1</u> of that vessel is filled with water. Find the volume of water.
 - ii. Find the value 8€ 4000 m€ ÷ 3
 - iii. Simplify

a)	
km	m
15	488
+ 30	856

	b)	
m		cm
3		563
x	a de	4

- 4) i. Draw a line segment PQ = 4 cm. Draw two circles by taking points P and Q are as centers and 3cm as radius
 - ii. Name intersecting points of line PQ by two circles as A and B
 - iii. Measure lengths of PA and QB
 - iv. Extend PB such that it meets the circle of center Q at R
 - v. How do you call the line AR?
- 5) i. Write the formula of area of a rectangular shape
 - ii. Find the value of (-5) + (+4) + (-7)
 - iii. Simplify $2\frac{1}{3} + 3\frac{1}{2}$

- iv. A = {Prime numbers from 1 to 20}
 Show the set A in a Venn diagram
- v. Write 48 and 60 as product of prime factors
- vi. Find the highest common factor of 48 and 60
- vii. Find the least common multiple of 48 and 60
- 6) a) Draw two slant parallel lines by using set square and name them as AB and CD
 - b) The length and breadth of a sheet are 45 cm and 35 cm respectively. A piece of rectangular sheet of length 24 cm and breadth 15 cm is cut and removed from it.



- i. Find the area of whole sheet
- ii. Find the area of cut piece
- iii. Find the area of remaining part
- iv. Find the perimeter of remaining part