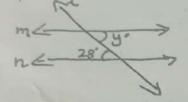
[lass: 7	Regis	ter ber	T		
	FIRST TERM - SUMMATIVE A	SSESS	MENTIS	(A)	- 2024 -	25
	FIRST TERM - SUMMATIVE	MATI	CC	20.01	[Max. I	Marks:60
Tin	ne Allowed : 2.00 Hours MATHE	I - I	65			
T.	Choose the correct Answer.					5x1=5
1.	The set of integers is not closed under					
	a) Addition b) Subtraction				Division	
2.	The angle between the diagonals of a rhom	bus is			1000	
	a) 120° b) 180°	c) 80°				
3.	In an expression we can add or subtract on	() All 4	erme.	d)	None of the	above
	a) Like Terms b) Unlike Terms	net of 12 l	enna	4		
4.	If the cost of 3 books is ₹.90, then find the C a) ₹.300 b) ₹.320	c) ₹.36	30	d)	₹.400	
5.	Vertically opposite angles are	0, 1.01				
-	a) Not equal in measure	b) Cor	mplementar	У		
	c) Supplementary	d) Equ	ual in meas	ure		
II.	Fill in the Blanks.					5x1=5
6.	The integer is the additive identity for	r integers.				
7.	A four sided closed shape in which opposite	e sides ar	e both para	llel a	nd equal is	called
8.	The numerical coefficient of the term -xy is					
9.	A tetromino is a shape obtained by sq					
10.	The adjacent angles that are supplementar	y are call	ed			5x1=5
III.	Say True or False:					3A1-3
11.	15-(-18) is the same as 15+18.					
12.	Perimeter is the region occupied by the closed shape.					
13.	Every algebraic expression is an equation.					
14.	Distance travelled by a bus and time taken are in direct proportion. Two parallel lines are cut by a transversal, each pair of corresponding angles are not equal.					
15.		each pair	or correspo	orian	ig angles a	5x1=5
IV.	Match the following.					JA 1-0
16.	$(5x2) + (5x5) = 5 \times (2+5)$ - a) xy=k					
17.	Area of the Rhombus - b) 0					
18.	x + (-x) - c) 360°		and.			
19.		butive pro				
20.	Lucidica act as basing	d, x d, so	į. units			
	PAF	RT - II				40-2-00
V.	Answer any 10 questions.					10x2=20
21.	Add (-3) and (-5) using number line.					
22.	Find the product of $(-2) \times 50 \times (-25) \times 4$.					
23.	Given 168 x 32 = 5376 then, find (-5376) + (-32).					
24.	How many years are between 323 BC(BC	E) and 16	887 AD (CE)?		
25.	Find the area of the parellelogram whose	base is 1	0m and hei	ght i	s 7m?	CH/7/Mat/1

- Calculate the area of the rhombus having diagonals are 6cm and 8cm. 26.
- Find the area of a trapezium whose parallel sides are 24 cm and 20 cm, and the distance 27. between them is 15 cm.
- If x = 2 and y = 3 then find the value of 2x 3y. 28.
- 29. Subtract 15q from 25q.
- 30. Solve: x + 5 = 8.

34.

- 31. A dozen bananas cost ₹.20. What is the price of 48 bananas?
- 60 workers can spin a bale of cotton in 7 days. In how many will 42 workers spin it? 32.
- 33. Given that AB is a straight line Calculate the value of xo.



Find the value of y in the given figure.

Draw five tetrominoe shapes. 35.

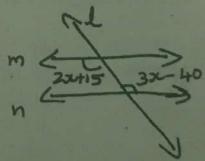
PART - III

5x3=15

- VI. Answer any 5 of the following questions.
- 36. Find all the possible pairs of integers that give a product of -50.
- 37. Scientists use the Kelvin scale (K) as an alternative temperature scale to degrees celsius (°C) by the relation T°C = (T+273)K. Convert the following to Kelvin:

i) -275°C

- 45°C
- iii) -400°C
- 38. A ground is in the shape of parallelogram the height of the parellelogram is 14 m and the corresponding base is 8 metres longer than its height. Find the cost of levelling the ground at the rate of ₹.15 per sq.m.
- 39. The area of a rhombus is 100 sq.cm and length of one of its diagonals is 8cm. Find the length of the other diagonal.
- 40. Write the variable constant and terms of the expression 7p 4q + 5.
- 41. Simplify: (x+y-z) + (3x-5y+7z) (14x+7y-6z)
- Find the value of angle x in the given figure.



If the three angles at a point are in the ratio 1:4:7. Find the value of each angle? 43. PART - IV

VII. Answer the following.

1x5=5

a) Construct a perpendicular bisector of the line segment AB = 8 cm. 44.

(OR)

Construct an angle 120° using ruler and compass only.

CH/7/Mat/2