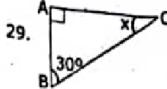
Time: 2.30 hrs.	SECOND TERM : Sta	andard - VII MATHS	Reg.No. 7	Marks: 60
I. Choose the	·Si correct answer:	ECTION - A		5×1=5
a) 10cm 2. The place va	b) 1/10 cm	c) 100cm	d) $\frac{1}{100}$ cm	
3. The exponential form of 72 is		c) thousands	d) thousandths	
a) /-	b) 2 ⁷ of 6x ⁷ - 7x ³ + 4 is	c) 2 ² × 3 ³	d) 2 ³ ×3 ²	
a) 7	b) 3 la c = 2π, 'r' refers to	c) 6	d) 4	
a) circumfere	ence b) area	c) rotation	d) radius	*1
7. The formula 8. The value of 9. The power ru	form of 0.35 is used to find the area ((14 ×21)° is le is (a ^m)° = c circle is 24cm. Then	of the circle	-	5×1=5
III. Match the form 11. $a^m \times a^n$ 12. $a^m \div a^n$ 13. $(a^m)^n$ 14. $(a \times b)^m$ 15. $\left(\frac{a}{b}\right)^m$	a ^m x b ^m			5×1=5
	SEC	TION - B		
 16. Expand the de 17. Simplify: 3² x 18. Fill with >, < a 19. Can 30°, 60° a 	cimal number 237.6 $3^3 \times 3^4$ $3^2 \times 3^4$ $3^3 \times 3^5$ $3^3 \times 3^5$	5 ii) 5.05 5.5	0	10×2=20

2

VII - MATHS

- 21. Represent 2.1 on the number line. 22. If a=3 and b=2 then find a^2+b^2 .
- 23. Simplify: $\frac{4^5 \times a^8 \times b^3}{4^3 \times a^5 \times b^2}$
- 24. Identify the like terms: 2x2y, 2xy2, 3xy2, 14x2y, 7xy
- 25. Find the circumference of the circle if $r \approx 49$ cm.
- 26. Write the next three no of the series 3, 6, 10
- 27. Find the value of $2^3 + 3^2 =$ _
- 28. Find the co-efficients of x^2 , x and the degree of the polynomial $3x^2 + 2x + 1$



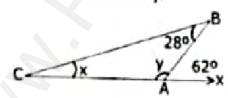
Find the value of x.

SECTION - C

V. Answer any 5:

5×3=15

- 30. If the three angles of a triangle are in the ratio 3:5:4 then find the angles.
- 31. Subtract $x^3 x^2 + x + 3$ from $3x^3 2x^2 7x + 6$ and find the degree.
- 32. Find the area of a hula loop whose diameter is 28cm (use $\pi = \frac{22}{7}$)
- The circumference of a circular park is 352cm. Find the area of the Park.
- In the given figure find the values of x and y.



- 35. In a right angled triangle ABC $\angle B$ is right angle $\angle A$ is x+1 $\angle C$ is 2x+5 find $\angle A$ and ZC.
- Write the following decimal numbers in the place value table.
 - 1) 428.001
- ii) 19.54

SECTION - D

VI. Answer any two of the following:

2×5=10

- 37. Construct an equilateral triangle xyz with the side of 7.5cm.
- 38. Construct a triangle ABC. AB = 7cm, AC = 6.5cm and ∠A = 120°
- 39. Construct a triangle PQR. ∠Q = 90°, ∠R = 42° and QR = 5.5cm.