COMMON QUARTERL	the state of the state of the state	A REAL PROPERTY AND A REAL		
VIII - MATHEMATICS				
Time Allowed : 2.30 Hrs.	LH DIE LAW	D HAS FOULTREINDEL	Maximum Marks: 100	
and a staff	Pa	rt-A		
I. Answer all the quest 1. The simplest form of	ions.	Offs,	14x1=14	
1. The simplest form of	125 is .	WSIDCHIDIT SHOUS	CP T THE THE OC	
- 3 18	and the second of the second	and the second	10 5 4 .20	
2. The value of $\frac{-3}{6} \times \frac{18}{-9}$	IS	i - s anadmun	31 For any intee rational	
3. The radius of a circle	is 25x4y2 then it	n is	32. The area of square fo	
5. Loss or gain percenta	ge is always calc	ulated on the	33 Solveforz	
C Cincumferrance of a al	minirala 2			
a) $\pi r + 2$ units b	$(\pi + 2)$ r units	c) πr^2 units	d) π + 2r units	
7 If 10 × - 10 9 then xi		2 oto hebiado da	belod) π + 2r units π +	
7. $10^{-3} - 10^{-3}$, uter x 1	3 10 10 10 00 10 10 10	the second states	56CD/5	
a)4 b) 5	c) 6	36. A rocket drawing has th	
8. The product of 7p ³ an	$d(2p^2)^2$ is	sois ai bri	d) 7 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	
a) 14p ¹² b) 28p ⁷	c) 9p ⁷	d) 11p ¹² d) (4, 3)	
9. The point lies on the y	-axis is	+ 3y) and (2x - 4)	W. Find the product of (2)	
a) (4,0) b) (0,7)	c) (7,7)	d) (4, 3) selawiG .01	
10. (-3, -5) lies in the a) I quadrant b	quadrant.	a) Ill quadrant	d) IV quadrant	
a) I quadrant D 11. A fruit vendor sells fru	its for ₹200 gaini	na ₹40. His gain pe	ercentage is	
-) 000/ b) 22%	a) 25%	d) 16 $\frac{2}{3}$ %	
		c) 25%	a) $\frac{1}{3}$	
12. Find the marked price	when the seiling	c) ₹228	d) ₹258	
a) ₹212 b 13. If ∆ABC ~ ∆PQR, in w	which $\angle A = 53^{\circ} a$	nd $\angle Q = 77^{\circ}$ then	∠Ris	
a) 50° b 14. How many 2 digit nun) 60°	c) 70°	d) 80°	
14. How many 2 digit nun	nbers contain the	number 7.?	Linute in estimation of T	
a) 10 b) 18	c) 19	(1) 20 1000 011 01 1000 01 01 01 01 01 01	
II. answer any 10 quest		п-в	10x2=20	
Succession and the second		1.1	A Inthe over figure.	
15. Find the sum : $\frac{7}{5} + \frac{5}{7}$		A	R.SEAT ABUNC	
16. Is 108 a perfect squar	e number?		antelean att him	
17. Evaluate : $\frac{1}{2}$		And was in	esigne lis lo	
	ne given measure	es, find the length	of the arc central angle 45°	
r = 16 cm. 19. Define : Regular poly	10D	eno.	N Annual the guest	
20. Which 3-D shapes do	the following ne	t represent? Draw	them.	
21. Expand : 3mn (m ³ n ³ .	+ 5m ² n)	IF (A. (D) g = A)	AY PL From	
22. Identify the errors and	d correct them: 6	$xy + 3xy = 9x^2y^2$	DF FERNSULGEINGTEN	
23. Divide $32y^2 - 8yz \div 2y^2$	MA, mo 6 MILL	ATHSM, AT= 6.64	area AIMS with	
24. If x% of 600 is 450, th	en find the value	of X.	by a shopkeeper in the rain	
25. The price of a rain coa season to boost sale	Eind the rate of	f discount given by	by a shopkeeper in the rain whim	
season to boost sale		Maths - 2		

A DECK	Find the difference in C.I and S.I for				
	P = 38,000 r = 5% p.a. n = 2 years				
000 J0000	Can a right triangle has sides that measure 5 cm, 12 cm and and 13 cm?				
	Define congruent figures. In class VIII, a math club has four members M, A, T and H. Find the number of different				
Carrier State	ways the club can elect a leader.				
	Part - C				
	answer any 10 questions. 10 x 5 = 50				
30.	Arrange the following rational numbers in ascending and descending order.				
	$\frac{-17}{10}, \frac{-7}{5}, 0, \frac{-2}{4}, \frac{-19}{20}$				
31.	For any three rational numbers $a = \frac{-1}{2}$, $b = \frac{3}{5}$ and $c = \frac{-7}{10}$. Verify $a(bc) = (ab)c$				
-32.	The area of square field is 3136 m ² , find its perimeter.				
33.	Solve for x: $\frac{2^{2x-1}}{2^{x+2}} = 4$				
34.	Find the central angle of each of the sectors whose measures are given below, length of the arc = 44 m , r = 35 m .				
35.	A circle of radius 70 cm is divided into 5 equal sectors. Find the area of each of the sectors.				
36.	A rocket drawing has the measures as given in the figure. find its area.				
07	Find the product of (2x + 2x) and (2x + 4x)				
	Find the product of $(2x + 3y)$ and $(2x - 4y)$ Divide : i) $12x^3y^2 \div x^2y$ ii) $-20a^5b^2 \div 2a^3b^7$				
1	Automatical and a state of the				
	Simplify: $\frac{14 p^5 q^3}{2p^2 q} - \frac{12 p^3 q^4}{3q^2}$				
40.	Find the quadrant. Without plotting the points on a graph sheet.				
	i) $(2, 3)$ ii) $(7, -4)$ iii) $(0, 5)$ iv) $(-1, -1)$ v) $(2, 0)$				
41,	Akila scored 80% of marks in an examination. If the score was 576 marks, then find				
40	the maximum marks of the examination. If a mattress is marked ₹7500 and is available at two successive discount of 10% and				
42.	20%, find the amount to be paid by the customer.				
43	The population of a town is increasing at the rate of 6% p.a. It was 238765 in the year				
-10.	2018. Find the population in the year 2016.				
TVE A	It was we to get the set				
44.1	n the given figure, E				
	if AEAT ! ABUN,				
	find the measure				
	of all angles.				
	$A \xrightarrow{D = A} T$				
IV.	Answer all the questions. 2x8=16				
	a) Construct the quadrilateral with the given measurements and also find their area.				
	PLAY, PL = 7 cm, LA = 6 cm, AY = 6 cm, PA = 8 cm and LY = 7 cm. (OR)				
	b) Construct the following trapezium with the given measures and also find their				
	area. AIMS with $\overline{AI} \parallel \overline{SM}$, $AI = 6$ cm, $IM = 5$ cm, $AM = 9$ cm and $MS = 6.5$ cm.				
46.	a) Draw the graph of y = 5x (OR)				
Vinis	b) Draw the graph of x = 7				
	VIII - Maths - 2				