## THIRD MID TERM TEST - 2025

## STANDARD - IX

•	ne. 1.30 nrs	MATHE	MATICS	and the second	Marks:5
1 0	hoose the correct answer.				7x1=
	The Lateral surface area of a	a cube of sid	le 12cm is	J. March	500 A
	a) 144cm <sup>2</sup> b) 196cm <sup>2</sup>			d) 664cn	<b>1</b> 2
2.	If the ratio of the sides of two	cubes are 2			
	a) 4:6 b) 4:9		c) 6:9	d) 16:36	
3.	The capacity of a water tank	of dimensio	ns*10m x 5m x	(1.5m is	e with Difference
	a) 75 litres b) 750 litre	es	c) 7500 litres	d) 75000	litres
4.	A particular observation which is called its	h occurs ma	aximum numbe	er of times in a give	ven data
	a) frequency b) range		c) mode	d) Mediar	1
5.	The algebraic sum of the dev	viations of a	set of n values	from their mean	is
	a) 0 b) n-1	and the second s	c) n	d) n+1	
6.	If the mean of five observation three observations is	ons x, x+2, x	+4, x+6, x+8 is	11, then the mea	n of first
	a) 9 b) 11		c) 13	d) 15	ABIA VI
7.	The mean of the square of fir	rst 11 natura	al numbers is	rus sielska i seele.	
4	a) 26 b) 46	a raid	c) 48-	d) 52	
11	Answer any five questions	. (Question	number 14 i	s compulsory)	5x2=1
9.	Find the area of an equilateral Find the TSA and LSA of a country and 5m respectively.  A cube has the Total surface	uboid whose	e length breadt	h and height are	
<ul><li>11.</li><li>12.</li><li>13.</li></ul>	A cubical milk tank can hold in a week, temperature of a case 26°c, 24°c, 28°c, 31°c, 30°c, For the following ungrouped of Find the mode of the given date.	125000 litre: certain place 26°c, 24°c. data 10,17,1	s of milk. Find is measured Find the mea 6,21,13,18,12	the length of its s during winter are n temperature of ,10,19,22. Find th	ide in metres as follows the week.
III					5x5=2
	The lengths of sides of a trial				ate the
15.	area of the field, Find the co	st of levelling	g the field at th	e rate of ₹20 per i	m².
10	Three identical cubes of side	s 4cm are id	oined end to er	nd. Find the total	surface
10.	area and lateral surface area	of the new	resulting cubo	id.	
17,	The dimensions of a brick ar required to build a wall of 20r	e 24cm x 13	2cm x 8cm. H	ow many such bri	icks will be
		4.			

IX Maths

18. The following data gives the number of residents in an area based on their age. Find the average age of the residents.

Age	0-10	10-20	20-30	30-40	40-50	50-60
No. of				*** * *** *** ***	E CASE OF A SEC.	Marine 1
Residents	2	6	9	7	1 1 4 1 W	2

19. In a class test in Mathematics, 10 students scored 75 marks, 12 students scored 60 marks, 8 students scored 40 marks and 3 students scored 30 marks. Find the mean of their score.

20. The following are the marks scored by the students in the Summative Assessment

Exam. median

Class	0-10	10-20	20-30	30-40	40-50	50-60
No.of students	2	7	15	10	11	5

21. Find the mode of the following data:

Marks	0-10	10-20	20-30	30-40	40-50
No. of students	22	38	46	34.	20

## IV Answer the following.

1x8=8

22. The length, breadth and height of a hall are 25m, 15m and 5m respectively. Find the cost of renovating its floor and four walls at the rate of ₹ 80 per m².

(OR)

23. In the class, weight of students is measured for the class records. Calculate mean weight of the class students using Direct Method (or) Assumed Mean Method (or) Step deviation method.

Step deviation method.						
Weight in kg	15-25	25-35	35-45	45-55	55-65	65-75
No. of Students	4	11	19	14	0	2

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