THIRD MID TERM TEST. - 2025

STANDARD - IX

Tim	ne: 1.30 hrs	M	ATHEMATICS		Marks:50
			4	4	7x1=7
	hoose the corre	4.1		Acres No. 1.	10 2 1 3
2.	a) 144cm ² If the ratio of the	b) 4:9	c) 576cm ² es are 2:3, then ratio of t c) 6:9	d) 10.50	
-	a) 75 litros	b) 750 litres	nensions 10m x 5m x 1. c) 7500 litres curs maximum number o	of times in a give	en data
	a) frequency	b) range	c) mode ·	d) Median	
5.	The algebraic su	m of the deviation	ns of a set of n values from	om their mean is	50
	2) 0	b) n-1	c) n	a) II+1	
6.	If the mean of five three observation		x+2, x+4, x+6, x+8 is 11	, then the mean	of first
		b) 11	c) 13	d) 15	_ i
2	a) 9			100	10
7.	a) 26	b) 46	natural numbers is c) 48	d) 52	
11	Answer any fiv	e questions. (Qu	uestion number 14 is c	ompulsory)	5x2=10
8. 9. 10 11. 12 13	Find the area of Find the TSA and and 5m respect. A cube has the A cubical milk to In a week, temp 26°c, 24°c, 28°c. For the following Find the mode of	an equilateral triand LSA of a cuboic ively. Total surface Area and can hold 1250 perature of a certal c, 31°c, 30°c, 26°c q ungrouped data of the given data:	ingle whose perimeter is whose length breadth a of 486 cm ² . Find its late 00 litres of milk. Find the in place is measured due, 24°c. Find the mean to 10,17,16,21,13,18,12,103.1, 3.2, 3.3, 2.1, 1.3, 3.3	and height are 7. The ral surface area is length of its side ring winter are a remperature of the 1,19,22. Find the 1,3.1	le in metres. le follows he week.
Ш	Answer any fiv	e questions. (Qu	estion number 21 is c	ompulsory)	5x5=25
15	. The lengths of s area of the field Three identical	sides of a triangula , Find the cost of cubes of sides 4c	ar field are 28m, 15m an levelling the field at the i m are joined end to end ne new resulting cuboid.	d 41m. Calcula rate of ₹20 per n Find the total s	n².

17. The dimensions of a brick are 24cm x 12cm x 8cm. How many such bricks will be

required to build a wall of 20m length, 48cm breadth and 6m height?

(2)

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	20.00	2		
No. of	0-10	10-20	20-30	30-40	40-50	50-60
Residents	2	. 6	9	7	4	10 to 00.8

- 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

Class	0-10	10-20	20.00	1		5 2 2
No.of students	2	7	20-30	30-40	40-50	50-60
F: 1.10	The Committee day		15	10	11	5

21. Find the mode of the following data:

Marks	0-10	10-20	20-30	20.40	76.00
No. of students	20		220 00	30-40	40-50
110. Of Students	22	38	46	34	20

IV Answer the following.

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.

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)

1000 - 500	sulod.					
Weight in kg	15-25	25-35	35-45	45-55	55-65	65-75
No. of Students	4	11	19		0	2

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