

Spring Bale Senior School



Amnitsan

Date: 2nd Feb, 2024 Day: Friday Time: 3 Hours +15 Mins

Final Examination Subject: Mathematics Subject Code: 041 Set - B

Class: IX Sections: A to N M.M:80

General Instructions:

- 1. This Question Paper has 5 Sections A, B, C, D and E.
- 2. Section A has 20 MCQs carrying 1 mark each.
- 3. Section B has 5 questions carrying 02 marks each.
- 4. Section C has 6 questions carrying 03 marks each.
- 5. Section D has 4 questions carrying 05 marks each.
- 6. Section E has 3 case based integrated units of assessment (04 marks each) with sub-parts.
- 7. All Questions are compulsory.
- 8. Draw neat figures wherever required. Take n = 22/7 wherever required if not stated.

Section - A (1 mark)

		A. HOOSE	the correct option		
1.	$(-\sqrt{3} + 2\sqrt{3} - \sqrt{3})$ is				
	a. An integer		b. An irrational number		
	 c. A negative rational number 		d. A positive rational number		
2.	Curved surface area of a solid sphere is 24cm2. If the sphere is divided into two				
	hemispheres t	then the total surfac	e area of one of the hen	nisphere is	
	a. 12cm ²	b. 8cm ²	c. 16cm ²	d. 18cm²	
3. If $(-3, 4)$ is the solution of $3x - 4y = b$, then the value of b is					
	a7	b. 7	c25	d. 25	
4.	In which quadrant does the point (-1, 2) lie? a. Fourth Quadrant b. Second Quadrant				
	c. Third Quadrant		d. First Quadrant		
5.	A quadrilateral whose diagonals bisect at right angles is called				
	a. A parallelogram with equal a		idjacent sides	b. Rectangle	
	c. A parallelogram with unequal adjacent sides			d. Kite	
6.	When two lines intersect, pairs of vertically opposite angles are formed and				
	all pairs are				
	a. 4; equal		b. 2; supplementary		
	c. 2; equal		d. 4; compleme	d. 4; complementary	

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