BCM SCHOOL, BASANT AVENUE, DUGRI, LUDHIANA. NOVEMBER ASSIGNEMENT(2024-25) CLASS- IX (MATHEMATICS) TOPIC- SURFACE AREA AND VOLUME & STATISTICS				
SECTION –A (MULTIPLE CHOICE QUESTIONS)				
1.	For drawing a frequency polygon of a continuous frequency distribution, we plot the points			
	whose ordinates are the frequencies of the respective classes and abscissae are			
	(a) upper limits of the classes (b) lower limits of the classes			
	(c) class marks of the	classes (c	l) upper limits of prece	eding classes
2.	Class mark of a particular class is 6.5 and class size is 3, then class interval is			
	(a) 5-8	(b) 6.5-9.5	(c) 3.5-6.5	(d) 4.25-7.25
3.	The volume of two spheres are in the ratio 27:8, The ratio of their curved surface is			
	(a) 9:4	(b) 3:2	(c) 4:9	(d) 2:3
4	Assertion (A) : The height of the cone is 15 cm. If the volume is 500 $\pi$ cm <sup>3</sup> , then the radius of its base is 10 cm.			
	Reason (R) : Volume of cone is $4/3 \pi r^3$ .			
	(a) Both Assertion (A) and Reason (R) are the true and Reason (R) is a correct explanation of			
	Assertion (A).			
	(b) Both Assertion (A) and Reason (R) are the true but Reason (R) is not the correct			
	explanation of Assertion (A).			
	(c) Assertion (A) is true but Reason (R) is false.			
	(d) Assertion (A) is false and Reason (R) is true.			
SECTION – B( 2 MARKS QUESTIONS)				
5.	The curved surface area of a conical vessel is 10 times it's slant height. Find the diameter of			
6.	The class marks of a distribution are 37, 42, 47,52,57. Determine the class size and the class limits of one last class mark.			
7.	The height of a cone is 16 cm and it's base radius is 12 cm . Find total surface area of the			
SECTION – C (3 MARKS QUESTIONS)				
8	Metallic spheres of r	adii 6 m 8 m an	d 10 m respectively :	are melted to form a single solid
5.	sphere. Find the radi	us of the resulting	sphere.	
9.	The radius and heig 2156 cm <sup>3</sup> . Find the	ght of a right circ curved surface	ular cone are in the area of cone.	ratio 4 : 3 and it's volume is

