



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

SOLUTION OF WORKSHEET-21

SUBJECT - STATISTICS

Term: 1st

Q1. Select the correct alternative of the following questions.(i) The marks of 5 students in a class test are 1, 2, 4, 7, 8, 11. The st is						
 (i) The marks of 5 students in a class test are 1, 2, 4, 7, 8, 11. The st is (a) 2 (b)4 (c)8 (d) n (ii) The standard deviation is used to calculate the average of 	Class: XI Date:03 .08. 2020					
is (a) 2 (b)4 (c)8 (d) n (ii) The standard deviation is used to calculate the average of						
(ii) The standard deviation is used to calculate the average of	tandard deviation					
- · ·	none of these					
	none of these					
(iii) The marks of 5 students in a class test are 2, 4, 4, 7, 7, 8, 23. The deviation is	The marks of 5 students in a class test are 2, 4, 4, 7, 7, 8, 23. The standard deviation is					
(a) 2 (b)4 (c)11 (d) n	none of these					
(iv) If all the Observation is equal to $-\frac{1}{7}$, then the standard deviation	n is equal to					
(a) 0 (b) $\frac{1}{5}$ (c)-5 (d) n	none of these					
(v) Standard deviation of -(2n+3),, -1, 0, 1,, (2n-1) is						
(a) -1 (b) 0 (c) $\frac{n-1}{2}$ (d) n	none of these					
(vi) standard deviation of cast of several people						
(a)n-1 (b) 0 (c) $\frac{n-1}{2}$ (d) n	none of these					

(vii)	(a) countably infinite			d of a set having observation (b) uncountably infinite (d) none of these		
(viii)	If 5x= 9y and standard deviation of x is 7, then mean deviation about mean of y is					
	(a) 0	(b)1	(c)0. 5	(d) none of these		
(ix)	The combined (a) 1 st set		ation depends u	upon the (d)none of these		
(x)		standard devia (b) minimum		n the range of the given sets wh (d) none of these	ich is	
(xi)	xi) The standard deviation is greater than the geometric mean of t which is					
	(a) maximum	(b) minimum	(c) both	(d) none of these		
(xii)	The variance of first 7 narural numbers is					
	(a) -1	(b) 4	(c) 0	(d) none of these		
(xiii)	There are 10 observations with standard deviation 3. If 0.3 is added to all the observations then the standard deviation of the new set is					
	(a) 3	(b) 3.3	(c) 30	(d) none of these		
(xiv)	riv) There are 10 observations with standard deviation 4. If all the obmultiplied by 4 then the standard deviation of the new set is					
	(a)4	(b) 8	(c) 16	(d) none of these		
(xv)	The observations are 1, 3, 4, 5, 6 then variance is					
	(a) 0	(b) 7	(c) 8	(d) none of these		
				Prepared by		
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