





WORKSHEET-21

SUBJECT - STATISTICS

<u>Term</u> : 1 st										
	: – Disp Iarks: 1		lass: XI ate:03 .08. 2020							
Q1.	Select	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 standard deviation is									
		(a) 2	(b)4	(c)8	(d) none of these					
(ii) The standard deviation is used to calculate the average of (a) all values (b) observation in GP (c)observation in AP (d) none										
(iii) The marks of 5 students in a class test are 2, 4, 4, 7, deviation is					, 8, 23. The standard					
		(a) 2	(b)4	(c)11	(d) none of these					
	(iv)	If all the Observation is equal to $-\frac{1}{7}$, then the standard deviation is equal to								
		(a) 0	(b) $\frac{1}{5}$	(c)-5	(d) 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) none of these					
	(vi)	standard deviation of cast of several people								
		(a)n-1	(b) 0	(c) $\frac{n-1}{2}$	(d) none of these					

(vii)	Standard dev (a) countably (c) uncountal	infinite	ys be calculate	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 is						
	(a) 0	(b)1	(c)0. 5	(d) none of these			
(ix)	The combined standard deviation depends upon the						
	(a) 1 st set	(b) 2 nd set	(c) both	(d)none of these			
(x)		d standard devi n (b) minimum		in the range of the given sets which is (d) none of these			
(xi)	The standard deviation is greater than the geometric mean of the given sets which is						
	(a) maximun	n (b) minimum	(c) both	(d) none of these			
(xii)							
	(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)	There are 10 observations with standard deviation 4. If all the observations be multiplied 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			
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