





A JESUIT CHRISTIAN MINORITY INSTITUTION

SOLUTION OF WORKSHEET-22

SUBJECT - STATISTICS

Term · 1st

			<u>1611</u>	11 : 130					
_	c – Dis _] Marks:	persion 15			Class: XI Date:08 .08. 2020				
Q1.	Selec								
	(i)	The marks		a class test are 1, 2, 3, 4, 5	st are 1, 2, 3, 4, 5, 6, 7. The standard				
		(a) 2	(b)4	(c)8	(d) none of these				
	(ii) The standard deviation of 3, 3, 3,, 3 is								
		(a) 0	(b) 3	(c) 6	(d) none of these				
(iii) The marks of 5 students in a class test are 2, 4, 4 about mode is				a class test are 2, 4, 4, 7, 7	7, 8, 23. The mean deviation				
		(a) 2	(b)4	(c)11	(d) none of these				
	(iv)	If all the C	Observation is equal to $\frac{1}{9}$, then the standard deviation is equal to						
		(a) 0	(b) $\frac{1}{5}$	(c)-5	(d) none of these				
	(v)	Range of	-(2n+3),, -	-1, 0, 1, , (2n-1) is					
		(a) -1	(b) 0	(c) $\frac{n-1}{2}$	(d) none of these				
	(vi)	(vi) Mean deviation about mode of mother tangue of several people							
		(a)n-1	(b) 0	(c) $\frac{n-1}{2}$	(d) none of these				

(VII)	(a) mean and (c) median an	median	nan or equal to the difference of (b) mean and mode (d) none of these				
	(c) illeulail all	iu illoue		(a) none of these			
(viii)	If 5x= 3+8y and variance of x is 7, then mean deviation about median of y is						
	(a) 0	(b)1	(c)0. 5	(d) none of these			
(ix)	The combined standard deviation with 2 nd set having all the observations equal to a constant depends upon the						
	(a) 1 st set	(b) 2 nd set	(c) both	(d)none of these			
(x)		l standard devi (b) minimum		n the mean of the given sets which is (d) none of these			
(xi)	The standard (a) mean	deviation is gre (b) median	eater than the n (c) mode	nean deviation about (d) none of these			
(xii)	The range of (a) -1	first 7 narural ı (b) 4	numbers is (c) 0	(d) none of these			
(xiii)	There are 10 observations with standard deviation 3. If 0.3 is subtracted 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 divided by 4 then the standard deviation of the new set is						
	(a)4	(b) 8	(c) 16	(d) none of these			
(xv)	The observati	ons are 1, 3, 4,	5, 6 then mean	deviation about mode is			
	(a) 0	(b) 7	(c) 8	(d) none of these			
				Prepared by			
				Sanjay Bhattacharya			