





A JESUIT CHRISTIAN MINORITY INSTITUTION

WORKSHEET-8

SUBJECT - STATISTICS

Term: 1st

Topi	c - REG	RESSION		Class: XII Date:16.05.2020			
Full 1	Marks:	15					
Q1.	Select the correct alternative of the following questions.						
	(i)	When an unbiased d					
		a) 3	b) 3.5	c) 4	d) none of these		
	(ii)	If x and X be respe regression line x on			d and estimated values from ans is		
		a) 0	b) 1	c)-1	d) none of these		
	(iii)	In regression line x on y, the coefficient of determination is					
		a) 0	b) 1r1	c) r^2	d) none of these		
	(iv)	When two regressio a) 0	n lines are perp b) 1	pendicular then to c) 0.5	the correlation coefficient is d) none of these		
	(v)	For the regression li a) 1	nes $2x + 3y = 3$ b) $3/4$	5 and $2x + y = 3$ c) -1	, the ratio of sd of y and x is d) none of these		
	(vi)	To find the value of a) y on x	y given the va b) x on y	alue of x, we us	e the regression equation d) none of these		
	(vii)	For the equation x = a) 0	6, the value of b) -1	f the correlation c) 1	coefficient is d) none of these		
	(viii)	In regression lines x a) variance of e	on y, the stan b) SD of e	dard error of est c)mean of e	cimate of y obtained, is d) none of these		
	(ix)	ix) The correlation coefficient between Y and e is					
		a) 0	b) 0.5	c) -0.5	d) none of these		

(x)	If e_i be the difference of the observed and predicted value of x in the scatter diagram while deriving the regression equation x on y , then mean of e is a) 1 b) 0 c)-1 d) none of these						
(xi)	If for a ra ndom var a) Positine			oservations are d) n0ne of these			
(xii)	If a random variable realises infinite values, then expectation of that random variab must be						
	a) infinite	b) negative	c) zero	d)) none of these			
(xiii)	If all values of a random variable are equal, then the mean deviation about mean we be equal to						
	a) that value.	b) one	c) zero	d)) none of these			
(xiv)	For a random variable X, $E X - E(X) =$						
	a) 0		c) E(X)	d) none of these			
(xv)	For a radom variable X, $e^{E(\ln X)}$ denotes a) Variance b) geometric mean c) median d) none of these						

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