ICS Part 2 Statistics Chapter 14 Online Test

Sr	Questions	Answers Choice
1	The value of the coefficient of correlation relies between_____.	A. -1 and +1 B. 0 and 1 C. -1 and 0 D. -0.5 and + 0.5
2	The regression equation always passes throught_____.	A. (X, Y) B. (X, $\bar{y}$) C. ($\bar{X}$, Y) D. ($\bar{X}$, $\bar{y}$)
3	When b_{xy} is positive, then b_{yx} will be _____.	A. Negative B. Positive C. Zero D. One
4	The straight line graph of the linear equation Y = a + bX, the slope will be upward it_____.	A. b = 0 B. b < 0 C. b > 0 D. b ≠ 0
5	In simple linear regression, the number of unknown constants are:	A. Two B. Three C. Four D. Five
6	If the value of any regression coefficient is zero, then two variable are _____.	A. Qualitative B. Correlation C. Dependent D. Independent
7	The _____ regression line always passes through ($\bar{X}$, $\bar{y}$).	A. Opposite B. Estimated C. Estimates D. Random
8	The variable, whose resulting value depends upon the selected value of the independent variable is called_____.	A. Regression B. Regressor C. Regressand D. Coefficient
9	A data points falling along a straight line is called_____.	A. Linear relationship B. Non-linear relationship C. Linear positive D. Scatter diagram
10	A relationship where the flow of the data points is best represented by a curve is called_____.	A. Linear positive B. Linear negative C. Linear relationship D. Nonlinear relatiobship
11	The variable, that forms the basis of estimation, is called_____.	A. Regression B. Regressor C. Regressand D. Estimated
12	A process by which we estimate the value of dependent variable on the basis of one or more independent variable is called_____.	A. Residual B. Correlation C. Regression D. Slope
13	The estimated regression line always passes through	A. origin C. x-axis D. y-axis
14	Question Image	A. 37 B. 132 C. 32 D. cannot be calculated
15	Question Image	B. b_{yx} C. b_{xy} D. S_p
		A. S_{xy}

16	Question Image	B. S_{yx} C. b_{xy} D. b_{yx}
17	Question Image	A. y-intercept B. x-intercept C. slope D. none of these