ICS Part 2 Statistics Chapter 14 Online Test

Sr	Questions	Answers Choice
1	The _____ regression line always passes through ($\bar{X}$, $\bar{y}$).	A. Opposite B. Estimated C. Estimates D. Random
2	The regression equation always passes throught_____.	A. (X, Y) B. ($\bar{X}$, $\bar{y}$) C. ($\bar{X}$, Y) D. ($\bar{X}$, $\bar{y}$)
3	The estimates of the parameters=α and=β are	A. μ and=σ2 B. a and b C. μ andπ D. χ2 and Z
4	If X and Y are independent, then Cov(x,y) = 0 which implies that	A. b_{yx} = 0 B. b_{xy} = 0 C. ρ = 0 D. a = 0
5	r is the ---------- of two regression co-efficient b_{yx} and b_{xy}	A. arithmetic mean B. geometric mean C. harmonic mean D. median
6	Question Image	A. 37 B. 132 C. 32 D. cannot be calculated
7	Question Image	A. y-intercept B. x-intercept C. slope D. none of these
8	If r = -1, then there is	A. negative correlation B. perfect negative correlation C. no correlation D. average correlation
9	Question Image	B. b_{yx} C. b_{xy} D. S_p
10	r_{xy} ---------- r_{yx}	A. = B. < C. > D. ≠
11	The variable that forms the basis of estimation is called	A. regression B. regressand C. regressor D. correlation
12	Regression line x on y is	
13	When b_{xy} is positive, then b_{yx} will be _____.	A. Negative B. Positive C. Zero D. One
14	The estimated regression line always passes through	A. origin C. x-axis D. y-axis
15	The measures of strength of closeness of linear relationship between two variables is called	A. simple linear regression B. composite linear regression C. simple linear correlation D. composite linear correlation
16	The variable, whose resulting value depends upon the selected value of the independent variable is called_____.	A. Regression B. Regressor C. Regressand D. Coefficient

17	If the value of any regression coefficient is zero, then two variable are _____.	A. Qualitative B. Correlation C. Dependent D. Independent
18	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
19	The relationship that describes the dependence of the expected value of the dependent random variable for a given value of the independent non-random variable is called	A. equation B. relation C. ratio D. regression
20	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