ICS Part 2 Statistics Chapter 14 Online Test

Sr	Questions	Answers Choice
1	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
2	Question Image	A. y-intercept B. x-intercept C. slope D. none of these
3	The variable, whose resulting value depends upon the selected value of the independent variable is called_____.	A. Regression B. Regressor C. Regressand D. Coefficient
4	The estimated regression line always passes through	A. origin C. x-axis D. y-axis
5	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
6	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
7	If r = -1, then there is	A. negative correlation B. perfect negative correlation C. no correlation D. average correlation
8	If b_{yx} = 0.89 and b_{xy} = 0.75, then r=	A. 0.89 B. 0.28 C. 0.98 D. 0.82
9	If the value of any regression coefficient is zero, then two variable are _____.	A. Qualitative B. Correlation C. Dependent D. Independent
10	The estimates of the parameters=α and=β are	A. μ and=σ2 B. a and b C. μ andπ D. χ2 and Z
11	Question Image	A. 37 B. 132 C. 32 D. cannot be calculated
12	The _____ regression line always passes through ($\bar{X}$, $\bar{y}$).	A. Opposite B. Estimated C. Estimates D. Random
13	A set of points in a rectangular coordinate system, where each point represents an observed pair of values is called	A. least square regression B. scatter diagram C. pie graph D. regression coefficient
14	The variable, that forms the basis of estimation, is called_____.	A. Regression B. Regressor C. Regressand D. Estimated
15	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

16	A data points falling along a straight line is called_____.	A. Linear relationship B. Non-linear relationship C. Linear positive D. Scatter diagram
17	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
18	r_{xy} ---------- r_{yx}	A. = B. < C. > D. ≠
19	The variable that forms the basis of estimation is called	A. regression B. regressand C. regressor D. correlation
20	r is the ---------- of two regression co-efficient b_{yx} and b_{xy}	A. arithmetic mean B. geometric mean C. harmonic mean D. median