

## ICS Part 2 Statistics Online Test

Sr	Questions	Answers Choice
1	A descriptive measure of a population is called	A. sample B. statistic C. parameter D. erro
2	100(1- $\alpha$ )% confidence interval for population proportion of success, $\pi$ is	A. $P(L < \mu < U) = 1 - \alpha$ B. $P(L < \sigma < U) = 1 - \alpha$ C. $P(L < \pi < U) = 1 - \alpha$ D. $P(L < P < U) = 1 - \alpha$
3	The values of test statistic which separate the rejection and non rejection regions for the test are called	A. simple values B. critical values C. parametric values D. none of these
4	In a normal distribution, _____ = $\mu + 0.64745 \sigma$	A. $Q_{>1}$ B. $Q_{>3}$ C. $\mu$ D. $\sigma$
5	If sampling is done without replacement then $\sigma =$	
6	Which one is a rough and crude method for measuring secular trend ?	A. free hand curve method B. semi average method C. moving averages method D. least square method
7	For normal distribution mean always lies between.	A. Median and mode B. Median and $Q_{>1}$ C. Median and $Q_{>3}$ D. None of these
8	Non probability form of sampling is	A. quota sampling B. sampling with replacement C. sampling without replacement D. none of these
9	The _____ regression line always passes through $(\bar{X}, \bar{Y})$ .	A. Opposite B. Estimated C. Estimates D. Random
10	The normal distribution is a _____.	A. Positive B. Negative C. Discrete D. Continuous
11	If $b_{yx} = 0.89$ and $b_{xy} = 0.75$ , then $r =$	A. 0.89 B. 0.28 C. 0.98 D. 0.82
12	(1- $\alpha$ ) is called:	A. Critical value B. Level of significance C. Level of confidence D. Interval estimate
13	Arithmetic operations are carried out by _____ units:	A. CPU B. RAM C. ALU D. ROM
14	An estimator is ----- if its expected value is equal to the population parameter to be estimated	A. bad B. biased C. unbiased D. none of these
15	Question Image	B. $b_{yx}$ C. $b_{xy}$ D. $S_p$
16	For a least squares linear trend $Y = a + bX$	A. $\Sigma Y = \Sigma Y$ B. $\Sigma Y = 0$ C. $\Sigma Y > \Sigma Y$ D. None of them

17 C= -----

18 The basic components of a time series are:

- A. 2
- B. 3
- C. 4
- D. 5

19 Types of statistical inferences are

- A. one
- B. two
- C. three
- D. four

20 The shape of the chi-square distribution depends upon\_\_\_\_\_.

- A. Parameters
- B. Number of cells
- C. Degrees of freedom
- D. Standard deviation