

## ICS Part 2 Statistics Chapter 10 Online Test

Sr	Questions	Answers Choice
1	In case of normal distribution the area to the left of the mean and area to the right of the mean is	A. positive  B. negative C. equal D. unequal
2	The probability density function has value for every value of x.	A. negative B. positive C. minimum D. maximum
3	$P(\mu-2\sigma < X=< \mu + 2\sigma)=$	A. 0.6827 B. 0.9545 C. 0.9973 D. 0.9827
4	Second moment about mean is also called	A. mean B. variance C. skewness D. standard deviation
5	The total area under the normal curve is	A. Zero B. Equal C. Unity D. True
6	In case of normal distribution maximum value of ordinate is	A. <span style="color: rgb(0, 0, 0); font-family: 'Lucida Sans Unicode', 'Lucida Grande', sans-serif; font-size: 18px; line-height: 23.390625px;">µ</span> B. Zero
7	The normal distribution is a	A. Positive B. Negative C. Discrete D. Continuous
8	In a normal distribution $\beta_1$ = 0 and $\beta_2$ =	A. 2 B. 4 C. 3 D. 5
9	μ - 2σ to=μ + 2σ contains approximately area.	A. 75% B. 50% C. 95.45% D. 99.73%
10	In normal distribution.	A. Mean > median > mode B. Mean = median = mode C. Mean < median < mode D. None of these
11	The maximum ordinance of the standard normal Curve is at Z =	A. 1.96 B. 2.33 C. 1 D. 0
12	Normal distribution ranges from	A. 1,2,3, B∞ to +∞ C. 1,2,3,n D. None of these
13	The mean deviation (M.D) of a normal distribution is	A. 4/5 σ B. 5/4 σ C. 2/3 σ D. None of these
14	In a normal distribution,= $\mu$ + 0.64745 $\sigma$	A. Q <sub>1</sub> B. Q <sub>3</sub> C. μ D. σ
15	If X - N (50,25), then=σ =	A. 3 B. 5 C. 25

		D. 50
16	The shape of the normal distribution is like	A. J. B. L C. bell D. circle
17	In case of normal distribution maximum value of ordinate is	A. μ B. Zero
18	The normal distribution isdistribution.	A. positively skewed B. negatively skewed C. symmetrical D. peaked
19	In case of symmetrical distribution	A. μ <sub>1</sub> = μ <sub>2</sub> = μ <sub>3</sub> = μ <sub>4</sub> = μ <sub>1</sub> B. β <sub>1</sub> = β <sub>2</sub> C. P <sub>1</sub> < P <sub>2</sub>
20	The maximum ordinate of a normal curve is at X =	A. μ B. σ C. X D. S.D