

ICS Part 2 Statistics Chapter 10 Online Test

Sr	Questions	Answers Choice
1	In a normal distribution $\beta_1 = 0$ and $\beta_2 =$ _____.	A. 2 B. 4 C. 3 D. 5
2	The normal distribution is represented as _____	A. $N(\mu, \sigma^2)$ B. $N(n, p)$ C. $N(0, \sigma^2)$ D. None of these
3	All odd ordered moments about mean are _____ in a normal distribution.	A. Zero B. Unity C. Positive D. Negative
4	In a normal distribution, _____ = $\mu + 0.64745 \sigma$	A. Q_1 B. Q_3 C. μ D. σ
5	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
6	$\mu - 2\sigma$ to $\mu + 2\sigma$ contains approximately _____ area.	A. 75% B. 50% C. 95.45% D. 99.73%
7	The maximum ordinance of the standard normal Curve is at $Z =$ _____.	A. 1.96 B. 2.33 C. 1 D. 0
8	If $X \sim N(50, 25)$, then $\sigma =$ _____.	A. 3 B. 5 C. 25 D. 50
9	The point of inflection in normal distribution are _____.	A. $\mu - \sigma, \mu, \mu + \sigma$ B. $\mu - \sigma, \mu + 2\sigma$ C. μ, σ D. None of these
10	The mean deviation (M.D) of a normal distribution is _____.	A. $\frac{4}{5}\sigma$ B. $\frac{5}{4}\sigma$ C. $\frac{2}{3}\sigma$ D. None of these
11	The Quartile deviation (Q.D) of a normal distribution is _____.	A. $\frac{4}{5}\sigma$ B. $\frac{5}{4}\sigma$ C. $\frac{2}{3}\sigma$ D. None of these
12	In normal distribution.	A. Mean $>$ median $>$ mode B. Mean = median = mode C. Mean $<$ median $<$ mode D. None of these
13	The normal distribution is a bell shaped _____ distribution.	A. Discrete B. Continuous C. Symmetrical D. Skewed
14	The normal distribution is a _____.	A. Positive B. Negative C. Discrete D. Continuous
15	The maximum ordinate of a normal curve is at $X =$ _____.	A. μ B. σ C. \bar{X} D. S.D

16	Normal distribution ranges from_____.	A. 1,2,3,..... ∞ B. $-\infty$ to $+\infty$ C. 1,2,3,.....n D. None of these
17	The total area under the normal curve is_____.	A. Zero B. Equal C. Unity D. True