

ICS Part 2 Statistics Chapter 10 Online Test

Sr	Questions	Answers Choice
1	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
2	The normal distribution is a _____.	A. Positive B. Negative C. Discrete D. Continuous
3	All odd order moments about mean are	A. unique B. zero C. different D. one
4	Total probability under the normal curve is	A. 1 B. 0 C. -1 D. $-\infty$ to $+\infty$
5	Normal distribution ranges from _____.	A. 1,2,3,... ∞ B. $-\infty$ to $+\infty$ C. 1,2,3,...n D. None of these
6	Points of inflexion of normal curve are at	A. $\mu - \sigma$ and $\mu + \sigma$ B. $\mu - \sigma$ and $\mu + 2\sigma$ C. $\mu - 2\sigma$ and $\mu + \sigma$ D. $\mu - \sigma$ and $\mu = \sigma$
7	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
8	The normal distribution is -----distribution.	A. positively skewed B. negatively skewed C. symmetrical D. peaked
9	The point of inflection in normal distribution are _____.	A. $\mu - \sigma$ and $\mu + \sigma$ B. $\mu - \sigma$, $\mu + 2\sigma$ C. μ , σ D. None of these
10	In a normal distribution $\beta_1 = 0$ and $\beta_2 =$ _____.	A. 2 B. 4 C. 3 D. 5
11	In normal distribution.	A. Mean > median > mode B. Mean = median = mode C. Mean < median < mode D. None of these

12	In a normal distribution, _____ = $\mu + 0.64745 \sigma$	A. Q_1 B. Q_3 C. μ D. σ
13	$P(\mu - 2\sigma < X \leq \mu + 2\sigma) =$	A. 0.6827 B. 0.9545 C. 0.9973 D. 0.9827
14	The normal distribution is a bell shaped _____ distribution.	A. Discrete B. Continuous C. Symmetrical D. Skewed
15	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
16	The moment coefficient of skewness is	A. β_1 B. β_2 C. S_k D. m_3
17	In case of normal distribution maximum value of ordinate is	A. μ B. Zero
18	The normal distribution is represented as _____	A. $N(\mu, \sigma^2)$ B. $N(n, p)$ C. $N(0, \sigma^2)$ D. None of these
19	Normal distribution is	A. unimodal B. bimodal C. trimodal D. multimodal
20	Question Image <input type="text"/>	A. β_1 B. β_2 C. β_3 D. S_k