ICS Part 2 Statistics Chapter 10 Online Test

Sr	Questions	Answers Choice
1	In case of normal distribution maximum value of ordinate is	A. μ B. Zero
2	The maximum ordinance of the standard normal Curve is at Z = _____.	A. 1.96 B. 2.33 C. 1 D. 0
3	In a normal distribution $\beta_1 = 0$ and β_2 = _____.	A. 2 B. 4 C. 3 D. 5
4	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
5	μ - 2σ to=μ + 2σ contains approximately_____ area.	A. 75% B. 50% C. 95.45% D. 99.73%
6	Total probability under the normal curve is	A. 1 B. 0 C. -1 D. ∞
7	The probability density function has ---------- value for every value of x.	A. negative B. positive C. minimum D. maximum
8	The normal distribution is ----------distribution.	A. positively skewed B. negatively skewed C. symmetrical D. peaked
9	The maximum ordinate of a normal curve is at X = _____.	A. μ B. σ C. $\bar{X}$ D. S.D
10	The moment Coefficient of kurtosis is	A. β₁ B. β₂ C. Zero D. m₂
11	The normal distribution is a bell shaped_____ distribution.	A. Discrete B. Continuous C. Symmetrical D. Skewed
12	In a normal distribution,_____= μ + 0.64745 σ	A. Q₁ B. Q₃ C. μ D. σ

13	Normal distribution is	A. unimodal B. bimodal C. trimodal D. multimodal
14	Normal distribution ranges from_____.	A. 1,2,3,.....∞ B. -∞ to +∞ C. 1,2,3,.....n D. None of these
15	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
16	In case of normal distribution maximum value of ordinate is	A. μ B. Zero
17	The Quartile deviation (Q.D) of a normal distribution is_____.	A. 4/5 σ B. 5/4 σ C. 2/3 σ D. None of these
18	The total area under the normal curve is_____.	A. Zero B. Equal C. Unity D. True
19	Second moment about mean is also called	A. mean B. variance C. skewness D. standard deviation
20	All odd ordered moments about mean are _____ in a normal distribution.	A. Zero B. Unity C. Positive D. Negative