ICS Part 2 Statistics Chapter 10 Online Test

Sr	Questions	Answers Choice
1	If X - N (50,25), then=σ = _____.	A. 3 B. 5 C. 25 D. 50
2	P(μ-2σ < X=< μ + 2σ)=	A. 0.6827 B. 0.9545 C. 0.9973 D. 0.9827
3	The shape of the normal distribution is like	A. J. B. L C. bell D. circle
4	In case of normal distribution maximum value of ordinate is	A. μ B. Zero
5	The moment coefficient of skewness is	A. β₁ B. β₂ C. S_k D. m₃
6	The normal distribution is a bell shaped_____ distribution.	A. Discrete B. Continuous C. Symmetrical D. Skewed
7	The range of a normal distribution is	A. —∞ to 1 B. —∞ to 0 C. —∞ to + ∞ D. 0 to ∞
8	The total area under the normal curve is_____.	A. Zero B. Equal C. Unity D. True
9	The probability density function has ---------- value for every value of x.	A. negative B. positive C. minimum

		D. maximum
10	The maximum ordinance of the standard normal Curve is at Z = _____.	A. 1.96 B. 2.33 C. 1 D. 0
11	In case of normal distribution maximum value of ordinate is	A. μ B. Zero
12	The moment Coefficient of kurtosis is	A. β₁ B. β₂ C. Zero D. m₂
13	In case of symmetrical distribution	A. μ₁ = μ₂ = μ₃ = μ₄ B. β₁ = β₂ C. P₁ < P₂
14	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
15	All odd order moments about mean are	A. unique B. zero C. different D. one
16	The point of inflection in normal distribution are _____.	A. μ - σ, μ + σ B. μ - σ, μ + 2σ C. μ, σ D. None of these
17	In normal distribution.	A. Mean > median > mode B. Mean = median = mode C. Mean < median < mode D. None of these
18	The maximum ordinate of a normal curve is at X = _____.	A. μ B. σ C. $\overline{X}$ D. S.D
19	For normal distribution mean always lies between.	A. Median and mode B. Median and Q₁ C. Median and Q₃ D. None of these
20	All odd ordered moments about mean are _____ in a normal distribution.	A. Zero B. Unity C. Positive D. Negative