ICS Part 2 Statistics Chapter 10 Online Test

Sr	Questions	Answers Choice
1	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
2	Question Image	A. β₁ B. β₂ C. β₃ D. S_k
3	μ - 2σ to=μ + 2σ contains approximately_____ area.	A. 75% B. 50% C. 95.45% D. 99.73%
4	The normal distribution is represented as_____	A. N (μ,σ²) B. N (n,p) C. N (0,σ²) D. None of these
5	P(μ-2σ < X=< μ + 2σ)=	A. 0.6827 B. 0.9545 C. 0.9973 D. 0.9827
6	In a normal distribution $\beta_1 = 0$ and β_2 = _____.	A. 2 B. 4 C. 3 D. 5
7	Normal distribution is	A. unimodal B. bimodal C. trimodal D. multimodal
8	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
9	In case of normal distribution maximum value of ordinate is	A. μ B. Zero
10	The normal distribution is a bell shaped_____ distribution.	A. Discrete B. Continuous C. Symmetrical D. Skewed
11	Normal distribution ranges from_____.	A. 1,2,3,.....∞ B. -∞ to +∞ C. 1,2,3,.....n D. None of these
12	Total probability under the normal curve is	A. 1 B. 0 C. -1 D. ∞
13	Second moment about mean is also called	A. mean B. variance C. skewness D. standard deviation
14	The moment coefficient of skewness is	A. β₁</sub> B. <span style="color: rgb(0, 0, 0); font-family: 'Lucida Sans Unicode',

		'Lucida Grande', sans-serif; font-size: 18px; line-height: 23.390625px;">β₂ C. S_k D. m₃
15	In a normal distribution,_____= μ + 0.64745 σ	A. Q₁ B. Q₃ C. μ D. σ
16	If X - N (50,25), then=σ = _____.	A. 3 B. 5 C. 25 D. 50
17	Points of inflexion of normal curve are at	A. μ and σ B. x=μ-σ and x=μ+σ C. μ and 2σ D. μ = o
18	The maximum ordinate of a normal curve is at X = _____.	A. μ B. σ C. $\bar{X}$ D. S.D
19	The moment Coefficient of kurtosis is	A. β₁ B. β₂ C. Zero D. m₂
20	In normal distribution.	A. Mean > median > mode B. Mean = median = mode C. Mean < median < mode D. None of these