ICS Part 2 Statistics Online Test

Sr	Questions	Answers Choice
1	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
2	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
3	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
4	In normal distribution.	A. Mean > median > mode B. Mean = median = mode C. Mean < median < mode D. None of these
5	The normal distribution is a bell shaped_____ distribution.	A. Discrete B. Continuous C. Symmetrical D. Skewed
6	The normal distribution is a _____.	A. Positive B. Negative C. Discrete D. Continuous
7	The maximum ordinate of a normal curve is at X = _____.	A. μ B. σ C. $\bar{X}$ D. S.D
8	Normal distribution ranges from_____.	A. 1,2,3,.....∞ B. -∞ to +∞ C. 1,2,3,.....n D. None of these
9	The total area under the normal curve is_____.	A. Zero B. Equal C. Unity D. True
10	The sum of deviations=Σ(y-ŷ) =	A. 0 B. 1 C. 10 D. -1
11	ŷ=a+bx, this line will be called least squares line if it makes=Σ(y-a-bx)2	A. maximum B. constant C. minimum D. variable
12	The equation of the quadratic (parabolic) trend is	A. ŷ=a+bx B. ŷ=a+by C. ŷ=a+bΣx+cΣx² D. ŷ=a+bx+cx²
13	For a least squares linear trend ŷ = a + bx, the $\Sigma(y-\hat{y})^2 = 0$ when	A. all the y-values lie on the line B. all the y-values are positive C. all the y-+values lie above the line D. none of these
14	For a least squares linear trend=ŷ= a + b x,	A. Σy <Σŷ B. Σŷ = 0 C. Σy =Σŷ D. none of these
15	For a least squares linear trend=ŷ = a + bx, b is the	A. variable B. intercept C. trend D. slope

16	Question Image	A. 6Σd₁ B. 5Σd¹ C.
17	Question Image	A. Φ² B. q² C. α² D. β²