ICS Part 2 Statistics Chapter 10 Online Test

Sr	Questions	Answers Choice
1	In normal distribution.	A. Mean > median > mode B. Mean = median = mode C. Mean < median < mode D. None of these
2	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
3	The normal distribution is a bell shaped_____ distribution.	A. Discrete B. Continuous C. Symmetrical D. Skewed
4	The range of a normal distribution is	A. $-\infty$ to 1 B. $-\infty$ to 0 C. $-\infty$ to $+\infty$ D. 0 to ∞
5	P (|Z| > a) =	A. $2\phi(a) - 1$ B. $\phi(a)$ C. $2\,\phi(-a)$ D. $1 - \phi(a)$
6	The normal distribution is represented as_____	A. $N(\mu, \sigma^2)$ B. $N(n, p)$ C. $N(0, \sigma^2)$ D. None of these
7	The total area under the normal curve is_____.	A. Zero B. Equal C. Unity D. True

8	In a normal distribution $\beta_1 = 0$ and $\beta_2 = $ _____.	A. 2 B. 4 C. 3 D. 5
9	Second moment about mean is also called	A. mean B. variance C. skewness D. standard deviation
10	The moment coefficient of skewness is	A. β_1 B. β_2 C. S_k D. m_3
11	The Quartile deviation (Q.D) of a normal distribution is_____.	A. $4/5\ \sigma$ B. $5/4\ \sigma$ C. $2/3\ \sigma$ D. None of these
12	The shape of the normal distribution is like	A. J. B. L C. bell D. circle
13	All odd ordered moments about mean are _____ in a normal distribution.	A. Zero B. Unity C. Positive D. Negative
14	In a normal distribution, _____ = $\mu + 0.64745\ \sigma$	A. Q_1 B. Q_3 C. μ D. σ
15	The maximum ordinance of the standard normal Curve is at Z = _____.	A. 1.96 B. 2.33 C. 1 D. 0
16	The normal distribution is a _____.	A. Positive B. Negative C. Discrete D. Continuous
17	The normal distribution is --------------------distribution.	A. positively skewed B. negatively skewed C. symmetrical D. peaked
18	In case of symmetrical distribution	A. $\mu_1 = \mu_2 = \mu_3 = \mu_4$ B. $\beta_1 = \beta_2$ C. $P_1 < P_2$
19	$\mu - 2\sigma$ to $\mu + 2\sigma$ contains approximately_____ area.	A. 75% B. 50% C. 95.45% D. 99.73%
20	The moment Coefficient of kurtosis is	A. β_1 B. β_2 C. Zero D. m_2