

ICS Part 2 Statistics Chapter 10 Online Test

Sr	Questions	Answers Choice
1	Question Image	A. $\beta₁$ B. $\beta₂$ C. $\beta₃$ D. S_k
2	In case of symmetrical distribution	A. $\mu₁$ $=\mu₂$ $=\mu₃$ $=\mu₄$ B. $\beta₁$ $=\beta₂$ C. $P₁< P₂$
3	In case of normal distribution maximum value of ordinate is	A. μ B. Zero
4	$P(\mu-2\sigma < X \leq \mu + 2\sigma) =$	A. 0.6827 B. 0.9545 C. 0.9973 D. 0.9827
5	$P(Z > a) =$	A. 2 $\varnothing(a)$ B. 2 $\varnothing(-a)$ C. 2&ampnbsp$\varnothing(-a)$ D. 1 $\varnothing(a)$
6	Points of inflexion of normal curve are at	A. μ σ B. $x = \mu$ σ C. μ σ D. $\mu = \sigma$
7	All odd order moments about mean are	A. unique B. zero C. different D. one

8	Total probability under the normal curve is	<p>B. 0 C. -1 D. ">∞"</p>
9	The range of a normal distribution is	<p>A. "—∞" to 1 B. "—∞" to 0 C. "—∞" to +&nbsp;"—∞" D. 0 to&nbsp;"—∞"</p>
10	The shape of the normal distribution is like	<p>A. J. B. L C. bell D. circle</p>
11	Normal distribution is	<p>A. unimodal B. bimodal C. trimodal D. multimodal</p>
12	In case of normal distribution the area to the left of the mean and area to the right of the mean is	<p>A. positive&nbsp; B. negative C. equal D. unequal</p>
13	The moment Coefficient of kurtosis is	<p>A. ">$\beta_{1<sub>1</sub>}$ B. ">$\beta_{1<sub>2</sub>}$ C. Zero D. $m<sub>2</sub>$</p>
14	The moment coefficient of skewness is	<p>A. ">$\beta_{1<sub>1</sub>}$ B. ">$\beta_{1<sub>2</sub>}$ C. $S<sub>k</sub>$ D. $m<sub>3</sub>$</p>
15	In case of normal distribution maximum value of ordinate is	<p>A. ">μ B. Zero</p>
16	Second moment about mean is also called	<p>A. mean B. variance C. skewness D. standard deviation</p>

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The probability density function has ----- value for every value of x .

- A. negative
- B. positive
- C. minimum
- D. maximum