

## Statistics Ics Part 1 Chapter 8 Online Test

Sr	Questions	Answers Choice
1	In a discrete probability distribution the sum of all the probabilities is always	A. 0 B. 1 C. -1 D. 8
2	The probabilyt density function $p(x)$ cannot exceed.	A. zero B. One C. Mean D. Infinity
3	Probility density function is the probebility function of..... random variable.	A. Discrete B. Qualitative C. Continuous D. None
4	Random numbers are generated from the single digit numbers.	A. { 1,2,3,... 10 } B. { 0, 1,2,... 10 } C. { 0,1,2,... } D. {0,1,2,... 9}
5	The probabilyt that a continous random varaibe 'x' takes on specific value of x is.	A. Greater thaan zero B. Less than zero C. Equal to Zero D. 0 to 1
6	An expected value of a random variable is equal to its.	A. Variance B. B.D. C. Mean D. Co - Variance
7	If C is a non -random varaiabe than $E(C)$ is.	A. c B. 0 C. 1 D. x
8	If $(E(X) = E)$ then find arithmetic means will be.	A. 1 B. 4 C. 0 D. 8
9	If X and Y are independent random variables , the $E(XY)$ is equal to.	A. $E(XY)$ B. $E(X) E(Y)$ C. $XE(Y)$ D. $YE(X)$
10	if X and Y are independent random varaibesl the S.D. $(X-Y)$ is equal to	A. $\text{Var}(X) - \text{var}(Y)$ B. $\text{Var}(X) + \text{Var}(Y)$ C. $E(X-Y)^2$ D. $E(X+Y)^2$
11	If X and Y are random varaibes, than $E( X - Y )$ is equal to.	A. $E(X) + E(Y)$ B. $E(X) - E(Y)$ C. $X - E(Y)$ D. $E(X) - Y$
12	The expected value of a discrete random variable is.	A. Always an integer B. Always one of the values that the random variable can assume C. An interal of values D. None of these
13	If x is a continuous random vriable, then the function $f(x)$ is.	A. A probability function B. A probability denaity function C. A density function D. Both b and c
14	If x is discrete random variable, then the function $f(x)$ is.	A. A probability function B. A density function C. A probability density function D. A distribution function
15	If the random variable X denotes the number of heads when three distinct coins are tossed,then X assumes the value.	A. 0,1,2,3 B. 1,3,3,1 C. 1,2,3

D. None of these

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16 A continuous probability distribution may be represented by.

- A. A table
- B. a graph
- C. A mathematical equation
- D. Both a and c

17 the discrete probability distribution may be represented by.

- A. A table
- B. A graph
- C. A mathematical equation
- D. All of these