

Statistics Ics Part 1 Chapter 7 Online Test

Sr	Questions	Answers Choice
1	When a pair of dice is rolled, the sum of uppermost dots vary from.	A. 0 to 10 B. 1 to 11 C. 2 to 19 D. 2 to 12
2	If x is a random variable with $E(x) = 5$ then $E(3x - 2) =$	A. 0 B. 1 C. 13 D. All of them
3	When two coins are tossed simulataneously the probability of at most one head is.	A. 1/2 B. 1/4 C. 3/4 D. None of these
4	The coins are tossed, the porbability of two tails is euql to.	A. 1/2 B. 1/4 C. 3/4 D. 1
5	If x is a random variable with $E(x) = 5$ then $E(3x - 2) =$	A. 0 B. 1 C. 13 D. 15
6	The probability of an impossible event is.	A. Positive B. Zero C. Negative D. 1
7	$\text{Var}(3x + 2)$	A. 3 $\text{Var}(X) + 2$ B. 3 $\text{Var} X$ C. 9 $\text{var}(x) + 2$ D. 9 $\text{var}(x)$
8	If mean = 25 and variance is also 25, then coefficient of variation is	A. 100% B. 25% C. 20% D. 10%
9	The probability of a continuous random variable at $x = a$ is -----	A. One B. Zero C. Between 0 and 1 D. More than one
10	The probability of getting two red balls with replacement from a bag containing 4 red, 3 white and 3 black balls is.	A. 4/25 B. 1/25 C. 9/100 D. 2/25
11	For a constant k, the variance of k is	A. zero B. k^2 C. k D. none of these
12	Is the tossing of two perfect coins the probability at least one head occur is.	A. 1/4 B. 1 C. 1/2 D. 3/4
13	The simple probability of occurrence of an event in called the.	A. Joint probability B. Conditional probability C. Marginal probability D. Subjective probability
14	If a is a constant then $E(a)$ is equal to	A. a B. Square of a C. Zero D. 2a
15	Question Image <input style="width: 200px; height: 20px;" type="text"/>	A. $y_1 = y_2$ B. $y_1 > y_2$ C. $y_1 < y_2$ D. None of these

16	Which is the impossible event when a dice is rolled.	A. 5 or 6 B. 6 or 7 C. 2 or 3 D. 1
17	If x and y are independent random variables, $E(xy)$	A. $E(XY)$ B. $xE(y)$ C. $E(XY)$ D. $E(X) \cdot E(Y)$
18	If a Venn diagram is drawn for events A and B which are mutually exclusive, which of the following would always be true of A and B .	A. Their parts of the rectangle will overlap B. Their parts of the rectangle will be equal in area C. Their parts of the rectangle will not overlap D. None of these
19	If $y = -7x$ then $E(y) = \dots\dots\dots$	A. $E(x)$ B. $-7X$ C. $-7E(X)$ D. Zero
20	The probability of getting an odd number when a balanced die is rolled is.	A. $1/2$ B. $1/3$ C. $1/4$ D. $1/6$