

Statistics Ics Part 1 Chapter 7 Online Test

Sr	Questions	Answers Choice
1	When two coins are tossed simultaneously the probability of at most one head is.	A. 1/2 B. 1/4 C. 3/4 D. None of these
2	If a is a constant then E(a) is equal to	A. a B. Square of a C. Zero D. 2a
3	The probability of getting one red ball from a bag containing 4 red, 3 white and 3 black balls is.	A. 3/10 B. 1/5 C. 2/5 D. 1/2
4	A random variable is also called.	A. Chance variable B. Stochastic variable C. Discrete variable D. Both A and B
5	What is the probability that a ball drawn at random from the bag is.	A. 0.1 B. 0.4 C. 1.0 D. Cannot be determined from given information
6	$E(x) = \sum xf(x)$ if it _____ absolutely.	A. Equal B. Converges C. Discrete D. None of these
7	The simple probability of occurrence of an event is called the.	A. Joint probability B. Conditional probability C. Marginal probability D. Subjective probability
8	If the random variable x denotes the number of heads when three distinct coins are tossed, the x assumes values	A. 0, 1, 2, 3 B. 1, 3, 3, 1 C. 1, 2, 3 D. None of these
9	The coins are tossed, the probability of two tails is equal to.	A. 1/2 B. 1/4 C. 3/4 D. 1
10	$E(X \pm Y) = \dots\dots\dots$	A. $E(X) + E(Y)$ B. $E(X) - E(Y)$ C. $E(x) \pm E(Y)$ D. None of these
11	$F(-\infty)$ is always equal to.	A. Zero B. One C. Two D. Negative one
12	$F(-\infty)$ is always equal to	A. Zero B. One C. Two D. Negative one
13	Variance of σ^2 is equal to $E(Y^2) - \dots\dots\dots$?	A. E (y) B. $[E(y)]^2$ C. $E(y^2)$ D. None of these
14	A letter is chosen at random from the word STATISTICS, The probability of getting a vowel is.	A. 1/5 B. 3/10 C. 1/2 D. 2/5
15	When two coins are tossed simultaneously, P (one head) is.	A. 1/2 B. 1/4 C. 3/4 D. 1

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- 16 a measure of the chance that an uncertain event will occur.
- A. An experiment
B. An event
C. A probability
D. A trail
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- 17 Variance σ^2 is equal to $E(y^2) - \text{-----}$
- A. $E(y)$
B. $[E(y)]^2$
C. $E(y)^2$
D. $E^2(y)$
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- 18 Random variable is also called _____.
- A. Chance stochasitc
B. Coverges
C. Random
D. None of these
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- 19 Tossing two dice possble sampes are.
- A. 2
B. 6
C. 12
D. 36
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- 20 Which of the following cannot be probability of an event.
- A. 0
B. 1
C. 0.32
D. 1.00
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