

Statistics Ics Part 1 Chapter 7 Online Test

Sr	Questions	Answers Choice
1	Why are the outcomes of a coin tossing mutually exclusive.	<p>A. The outcome of any toss is not affected by teh outcome of those preceding it.</p> <p>B. Both a head and a tail cannot turn up on any one toss</p> <p>C. The probability of getting a head and the probability of getting a tail is the same.</p> <p>D. All of these</p>
2	If a Vann diagram is drawn for events A and B which are mutually exclusive, which f the folloiwng would always be true of A and B.	<p>A. Their parts of the rectangle will overlap</p> <p>B. Their parts fo the rectangle will be equal in area</p> <p>C. Their parts of the rectangle will not overlap</p> <p>D. None of these</p>
3	If x is a random variable with $E(x) = 5$ then $E(3x - 2) =$	<p>A. 0</p> <p>B. 1</p> <p>C. 13</p> <p>D. All of them</p>
4	a measure of the chance that an uncertain event will occur.	<p>A. An experiment</p> <p>B. An event</p> <p>C. A probability</p> <p>D. A trail</p>
5	Probability distribution of a continuous random variable can be presented by	<p>A. tabular form</p> <p>B. Formula</p> <p>C. Curve</p> <p>D. None of these</p>
6	The probability of continuous random variable at $x = a$ is _____.	<p>A. One</p> <p>B. Zero</p> <p>C. Between</p> <p>D. More then one</p>
7	If x and y are independent random variables, then $E(xy)$	<p>A. $E(xy)$</p> <p>B. $xE(y)$</p> <p>C. $E(x)$</p> <p>D. $E(x)E(y)$</p>
8	The range of probability is between	<p>A. 0 to 2</p> <p>B. -1 to +1</p> <p>C. 0 to 8</p> <p>D. 0 to 1</p>
9	The result of no interest of an experiment is called.	<p>A. Contstant</p> <p>B. even</p> <p>C. Failure</p> <p>D. Success</p>
10	A probability function is _____ function.	<p>A. Mathematical</p> <p>B. Mathematical expectation</p> <p>C. Converges</p> <p>D. None of these</p>
11	The simplest form of the continuous distribution is the.	<p>A. Skewed distribution</p> <p>B. Kurtic distribution</p> <p>C. Binomial distribution</p> <p>D. Uniform distribution</p>
12	The probability of red card out of 52 cards is.	<p>A. 1/4</p> <p>B. 1/2</p> <p>C. 4/52</p> <p>D. zero</p>
13	Which one is not an example of random experiments.	<p>A. A coin is tossed and the outcome is either a head or a tail</p> <p>B. A six sided aid is rolled</p> <p>C. All medical insurance clams received by a company in a given year.</p> <p>D. Some one of person will be</p>

admitted to a hospital emergency room during any hour.

14	A set of numerical values assigned to a sample space is called.	A. Random sample B. Random variable C. Random numbers D. Random experiment
15	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
16	A random variable is also called.	A. Chance variable B. Stochastic variable C. Discrete variable D. Both A and B
17	Tossing two dice possible samples are.	A. 2 B. 6 C. 12 D. 36
18	The probability of an event cannot be.	A. = 0 B. > 0 C. = 1 D. < 0
19	If $y = -7x$ then $E(y) = \dots\dots\dots$	A. $E(x)$ B. $-7X$ C. $-7E(X)$ D. Zero
20	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