Statistics Ics Part 1 Chapter 7 Online Test

Sr	Questions	Answers Choice
1	If x is a random variable with E(x) = 5 then E (3x - 2) =	A. 0 B. 1 C. 13 D. 15
2	F(-∞) is always equal to.	A. Zero B. One C. Two D. Negative one
3	The properties of discrete probability distribution are:	A. Σp (x) = 1 and Σx. (x) = 1 B. ΣP (x)= 1 and Σx. P C. ΣP(x) = 1 and 0 < P(x) ≤ 1 D. All of these above
4	Hourly temperature recorded by weather brave is the example of:	A. Discrete variable B. Continuous variable C. Qualitative D. Both A and B
5	A student soved 25 questions from first 50 questios of a book to be solved. The prob, that he will solve the remaining all questions.	A. 0.25 B. 0.51 C. 1 D. 0
6	Question Image	A. 4/10 B. 2/10 C. 1/10 D. 0
7	probability distribution of a continuous random variable can be presented by.	A. Formula B. Curve C. Tabular form D. None of these
8	E(Y2) -[E(y)]2 is the formula, and to compute.	A. Variance of the random variable B. Mean of the random variable C. Both A and B D. None of these
9	The probability distribution of discrete random variable is called is	A. Frequency distribution B. Probability distribution C. Probability mass function D. Both (a) and (b)
10	When a die and a coin are rolled together all possible outcomes are.	A. 2 B. 6 C. 12 D. 36
11	E(X ± Y) =..............	A. E(X) + E(Y) B. E(X) - E (Y) C. E(x) ± E (Y) D. None of these
12	If y =-7x then E(y) = ...	A. E(x) B. -7X C. -7E(X) D. Zero
13	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
14	A random variable is also called.	A. Chance variable B. Stochastic variable C. Discrete variable D. Both A and B
15	When the outcome of a coin toss is actually a choice	A. The outcome of any toss is not affected by teh outcome of those preceding it. B. Both a head and a tail cannot turn

15	Why are the outcomes of a coin tossing mutually exclusive.	up on any one toss C. The probability of getting a head and the probability of getting a tail is the same. D. All of these
16	When a pair of dice is rolled, the sum of upperemost dots vary from.	A. 0 to 10 B. 1 to 11 C. 2 to 19 D. 2 to 12
17	When two dice are rolled, the maximum totla on the two faces of dice will be.	A. 2 B. 6 C. 12 D. 36
18	If mean = 25 and variance is also 25, then coefficient of variation is	A. 100% B. 25% C. 20% D. 10%
19	$E(x) = \Sigma x f(x)$ if it _____ absolutely.	A. Equal B. Converges C. Discrete D. None of these
20	When two coins are tossed simultaneously, P (one head) is.	A. 1/2 B. 1/4 C. 3/4 D. 1.0