Statistics Ics Part 1 Chapter 7 Online Test

Sr	Questions	Answers Choice
1	Question Image	A. 4/10 B. 2/10 C. 1/10 D. 0
2	A set of numerical values assigned to a sample space is called.	A. Random sample B. Random variable C. Random numbers D. Random experiment
3	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
4	The sum of probabilities of events of a sample space is always.	A. Equal B. Discrete C. Continuous D. Always greater then oen
5	$F(-\infty)$ is always equal to	A. Zero B. One C. Two D. Negative one
6	When a die and a coin are rolled together all possible outcomes are.	A. 2 B. 6 C. 12 D. 36
7	$F(+\infty)$ is always equal to:	A. 0 B. Two C. One D. None of these
8	The Area of trapezoid is equal to:	A. sum of paralled sides x base B. sum of paralled sides x base/2 C. 2 x base x sum of paralled side D. Sum of paralled sides x base/4
9	The properties of discrete probability distribution are:	A. $\Sigma p(x) = 1$ and $\Sigma x. (x) = 1$ B. $\Sigma P(x) = 1$ and $\Sigma x. P$ C. $\Sigma P(x) = 1$ and $0 < P(x)$ ≤ 1 D. All of these above
10	If x is a random variable with $E(x) = 5$ then $E(3x - 2) =$	A. 0 B. 1 C. 13 D. 15
11	When two coins are tossed simultaneously, P (one head) is.	A. 1/2 B. 1/4 C. 3/4 D. 1.0
12	The numbered balls are paced in an urn, Numbers 1- 4 are red and numbers 5 -10 are blue. the probability that a ball drawn at random from the run is blue is.	A. 0.1 B. 0.4 C. 0.6 D. 1.0
13	If mean = 25 and variance is also 25, then coefficient of variation is	A. 100% B. 25% C. 20% D. 10%
14	the term 'event' is used for.	A. Time B. Subaet of the sample space C. Total number of outcomes D. Probability
15	For two independent random variables, $Var(x) = 14$ and $Var(Y) = 5$, then $var(X-y)$ is equal to.	A. 9 B. 70 C. 19

16	The probability of drawing a king of spade from a pack of 52 cards is.	A. 1/4 B. 1/13 C. 1/26 D. 1/52
17	The simplest form of the continues distribution is the	A. Skewed distribution B. Kurtic distribution C. Binomial distribution D. Uniform distribution
18	Question Image	A. 8 B. 0 C. 1/8 D. 3
19	Question Image	A. $y_1 = y_2$ B. $Y_1 > y_2$ D. None of these
20	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)