Statistics Ics Part 1 Chapter 7 Online Test

Sr	Questions	Answers Choice
1	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 D. None of these
2	When two dice are rolled, the numebr of possible sample points is.	A. 6 B. 12 C. 36 D. 48
3	A random variable is also called.	A. Chance variable B. Stochastic variable C. Discrete variable D. Both A and B
4	Probability distribution of a continuous random variable can be presented by	A. tabular form B. Formula C. Curve D. None of these
5	When two coins are tossed simultaneously, P (one head) is.	A. 1/2 B. 1/4 C. 3/4 D. 1.0
6	the collection of all possible outcome of a random experimnet is called.	A. Sample point B. Sure event C. sample event D. simple event
7	probability distribution of a continuous random variable can be presented by.	A. Formula B. Curve C. Tabular form D. None of these
8	$F(-\infty)$ is always equal to.	A. Zero B. One C. Two D. Negative one
9	The probability of an event connot be.	A. = 0 B. > 0 C. =1 D. < 0
10	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
11	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
12	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
13	If x and y are independent random variables, then E(xy)	A. E(xy) B. xE(y) C. E(x) D. E(x)E(y)
14	Var (B/aX) =?	A. $1/a Var(X)$ B. $b^2/a^2 Var(X)$ C. $b^2/a Var(X)$ D. None of these
15	If a is a constant then E(a) is equal to	A. a B. Square of a

| | | C. Zero |
| | | D. 2a |

16	If x and y are independent random variables, E(xy)	A. E(XY) B. xE(y) C. E(XY) D. E(X) . E(Y)
17	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
18	The simple probability of occurrence of an event in called the.	A. Joint probability B. Conditional probability C. Marginal probability D. Subjective probability
19	For a constant k, the variance of k is	A. zero B. k^2 C. k D. none of these
20	Hourly temperature recorded by weather brave is the example of:	A. Discrete variable B. Continuous variable C. Qualitative D. Both A and B