Statistics Ics Part 1 Chapter 8 Online Test

Sr	Questions	Answers Choice
1	Random numbers are generated from the single digit numbers.	A. { 1,2,3,..... 10 } B. { 0, 1,2,..... 10} C. { 0,1,2.....} D. {0,1,2,..... 9}
2	Random numbers can be generated mechanically by	A. By use of digital computers B. Probgrammable calculators C. Ordinary calculators D. Both a and b
3	When x denotes the number of success in binomial experiment it is called.	A. Random variable B. Binomial random variable C. Continuous random variable D. Both (B) and (C) but not (A)
4	In binomial experiment successive trials are:	A. Dependent B. Independent C. May be independent or dependent D. None of these
5	The parameters of hypergeometric distribution are:	A. n,k & p B. n, k & q C. n, p & q D. n, k & N
6	Hypergeometric distribution is a	A. Continuous distribution B. Discrete distribution C. Simple distribution D. Normal distribution
7	The binomial distribution deal with:	A. Discrete variable B. Continuous variable C. None of these
8	If the random variable X denotes the number of heads when three distinet coins are tossed,then X assumes the value.	A. 0.1.2.3 B. 1,3,3,1 C. 1,2,3 D. None of these
9	If X and Y are random varaibes, than E (X - Y) is equal to.	A. E(X) + E (Y) B. E(X) - E(Y) C. X - E (Y) D. E(X) - Y
10	N-K is classified as	A. Success B. Failures C. Parameters D. Range
11	An expected value of a random variable is equal to its.	A. Variance B. B.D. C. Mean D. Co - Variance
12	Random number can be generated manully by	A. Dawing cards from numbered cards B. Roitaing or spinning numbered wheels C. Use of random numbers table D. All of these
13	Which of the following distribution(s) has 3 parameters.	A. Binomial distribution B. Hypergeometric distribution C. Both of the above D. None of these
14	if X and Y are independent random varaibesl the S.D. (X-Y) is equal to	A. Var (X) - var (Y) B. Var (X) + Var (Y) C. E(X-Y)2 D. E(X + Y)2
15	Binomial distribution is used when n is	A. Large B. Small C. Negative D. Zero

16	The probability of success ---------- from one trial to another when trials are dependent	A. Remains constant B. Is changed C. One D. Zero
17	Which of the following is true for binomial distribution	A. Mean > variance B. Mean < variance C. Mean = variance D. Mean + standard deviation
18	the discrete probability distributio may be represented by.	A. A table B. A graph C. A mathematical equation D. All of these
19	Binomial distribution is positively skewed	A. P < 1/2 B. P > 1/2 C. P = 1/2 D. P < q < ¹/₂
20	The expected value of a discrete random variable is.	A. Always an integer B. Always one of the values that the random variable can assume C. An interal of values D. None of these