Statistics Ics Part 1 Chapter 8 Online Test

Sr	Questions	Answers Choice
1	When we draw the sample with replacement (the first sample is replaced before the next draw), the probability distribution to be used is:	A. Binomial B. Hypergeometric C. Both Binomial & hypergeometric D. None of these
2	Variance of binomial distribution is	A. np B. √npq C. npq D. nq
3	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
4	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)
5	An expected value of a random variable is equal to its.	A. Variance B. B.D. C. Mean D. Co - Variance
6	Mean of hypergeometric distribution is	A. np C. np D. Nnk
7	Which of the following is true for binomial distribution	A. Mean > variance B. Mean < variance C. Mean = variance D. Mean + standard deviation
8	If x is discrete random variable, then the function f (x) is.	A. A probability function B. A density function C. A probability density function D. A distribution function
9	Random numbers can be generated mechanically by	A. By use of digital computers B. Probgrammable calculators C. Ordinary calculators D. Both a and b
10	The probabilyt that a continous random varaibe 'x ' takes on specific value of x is.	A. Greater thaan zero B. Less than zero C. Equal to Zero D. 0 to 1
11	the discrete probability distributio may be represented by.	A. A table B. A graph C. A mathematical equation D. All of these
12	Which of the following distribution(s) has 3 parameters.	A. Binomial distribution B. Hypergeometric distribution C. Both of the above D. None of these
13	The probability of success changes from trial to trial, is the property of:	A. Binomial experiment B. Hypergeometric experiment C. Both A and B D. None of these
14	The binomial distribution has the following parameters.	A. p & q B. n & q C. n, p & q D. None of these

15	Its value cannot be exactly examined.	A. Ranodm variable B. Fixed varaible C. Mathematical variable D. Variable
16	Binomial distribution is positively skewed	A. P < 1/2 B. P > 1/2 C. P = 1/2 D. P < q < $^1/_2$
17	The hypergeometric distribution has -------------- parameters	A. One B. Two C. Three D. Four
18	In a discriete probability distribution the sum of all the probabilities is alwyas	A. 0 B. 1 C. -1 D. 8
19	N-K is classified as	A. Success B. Failures C. Parameters D. Range
20	The repeated trials of binomial experiments are	A. Dependent B. Independent C. Fixed D. Variable