Statistics Ics Part 1 Chapter 8 Online Test

Sr	Questions	Answers Choice
1	The probability of even/odd number when a fair die rolled is:	A. 1/6 B. 2/6 C. 1/36 D. 3/6
2	The probability of success ------------ from one trial to another when trials are dependent	A. Remains constant B. Is changed C. One D. Zero
3	Binomial distribution is positively skewed	A. $P < 1/2$ B. $P > 1/2$ C. $P = 1/2$ D. $P < q < $ ¹/₂
4	Hypergeometric distribution is a	A. Continuous distribution B. Discrete distribution C. Simple distribution D. Normal distribution
5	Probility density function is the probebilyt function of.............. random variable.	A. Discrete B. Qualitative C. Continuous D. None
6	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
7	If X and Y are independent random variables , the E (XY) is equal to.	A. E(XY) B. E(X) E(Y) C. XE(Y) D. YE(X)
8	In hypergeometric distribution, the successive trials are.	A. Dependent B. Independent C. Both (A) & (B) D. None of these
9	The repeated trials of binomial experiments are	A. Dependent B. Independent C. Fixed D. Variable
10	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
11	the discrete probability distributio may be represented by.	A. A table B. A graph C. A mathematical equation D. All of these
12	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)
13	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
14	The binomial distribution is symmetrical when:	A. $P > q$ B. $p = 1/2$ C. Probability of success & probability of failure are equal D. Both (B) and (C)
15	The parameters of hypergeometric distribution are:	A. n,k & p B. n, k & q

	The parameters of hypergeometric distribution are.	C. n, p & q D. n, k & N
16	The binomial distribution has the following parameters.	A. p & q B. n & q C. n, p & q D. None of these
17	If x is a continuous random vriable, then the function f (x) is.	A. A probability function B. A probability denaity function C. A density function D. Both b and c
18	The mean of binomial distribution is always:	A. Equal to variance B. Less than variance C. Greater then variance D. None of the these
19	A copntinuous probability distribution may be represented by.	A. A table B. a graph C. A mathmethical equation D. Botha b and c
20	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