Statistics Ics Part 1 Chapter 8 Online Test

Sr	Questions	Answers Choice
1	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)
2	Which of the following distribution(s) has 3 parameters.	A. Binomial distribution B. Hypergeometric distribution C. Both of the above D. None of these
3	An expected value of a random variable is equal to its.	A. Variance B. B.D. C. Mean D. Co - Variance
4	The binomial distribution has the following parameters.	A. p & q B. n & q C. n, p & q D. None of these
5	Mean of hypergeometric distribution is	A. np C. np D. Nnk
6	The number of possible outcomes in Bernoulli trial is	A. Three B. Four C. Two D. One
7	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
8	A fair die is rolled three times. The probability of getting three "aces" is	A. 1/3 B. 1/6
9	Each trial of binomial experiment results in an outcome which can be classified in two categories	A. Head or tail B. Ace or six C. Success and failure D. None of these
10	The probability of success ------------ from one trial to another when trials are dependent	A. Remains constant B. Is changed C. One D. Zero
11	Its value cannot be exactly examined.	A. Ranodm variable B. Fixed varaible C. Mathematical variable D. Variable
12	A copntinuous probability distribution may be represented by.	A. A table B. a graph C. A mathmethical equation D. Botha b and c
13	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
14	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
15	Variance of binomial distribution is	A. np B. $\sqrt{npq}$ C. npq D. nq

16	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}
17	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
18	Random numbers can be generated mechanically by	A. By use of digital computers B. Probgrammable calculators C. Ordinary calculators D. Both a and b
19	Which of the following case is true for hypergeometric distribution.	A. Probability remains constant for all trials B. Probability changes C. successive trials are dependent D. Both (B) and (C) but not (A)
20	Hypergeometric distribution is a	A. Continuous distribution B. Discrete distribution C. Simple distribution D. Normal distribution