Statistics Ics Part 1 Chapter 8 Online Test

Sr	Questions	Answers Choice
1	Variance of binomial distribution is	A. np B. √npq C. npq D. nq
2	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
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	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
5	The hypergeometric distribution has ---------- parameters	A. One B. Two C. Three D. Four
6	The binomial distribution has the following parameters.	A. p & q B. n & q C. n, p & q D. None of these
7	In a discriete probability distribution the sum of all the probabilities is alwyas	A. 0 B. 1 C. -1 D. 8
8	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)
9	Probility density function is the probebilyt function of..... random variable.	A. Discrete B. Qualitative C. Continuous D. None
10	A fair coin is tossed four times the probability of getting four heads is	A. 1/4 B. 1/2 C. 4/6 D. 1
11	If we do not replace the draw cards back into the pack before the next draw, the used probability distribution will be:	A. Binomial B. Hypergeometric C. Both binomial & hypergeometric D. None of these
12	Binomial distribution is used when n is	A. Large B. Small C. Negative D. Zero
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	Mean of hypergeometric distribution is	A. np C. np D. Nnk

15	Mean, Median and mode of binomial distribution can be equal if	B. P < q < 1/2 C. P > q < 1/2 D. P ≠ q
16	For a binomial probability distribution: n = 10 & the probability of failure (q =0.6), then mean of the distribution is .	A. 0.6 B. 6.0 C. 10 D. 4
17	The binomial distribution deal with:	A. Discrete variable B. Continuous variable C. None of these
18	Its value cannot be exactly examined.	A. Ranodm variable B. Fixed varaible C. Mathematical variable D. Variable
19	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
20	The probability of success ---------- from one trial to another when trials are dependent	A. Remains constant B. Is changed C. One D. Zero