Statistics Ics Part 1 Chapter 8 Online Test

Sr	Questions	Answers Choice
1	An expected value of a random variable is equal to its.	A. Variance B. B.D. C. Mean D. Co - Variance
2	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}
3	The parameters of hypergeometric distribution are:	A. n,k & p B. n, k & q C. n, p & q D. n, k & N
4	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
5	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
6	The mean of binomial distribution is always:	A. Equal to variance B. Less than variance C. Greater then variance D. None of the these
7	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
8	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)
9	In a discriete probability distribution the sum of all the probabilities is alwyas	A. 0 B. 1 C. -1 D. 8
10	The probability of even/odd number when a fair die rolled is:	A. 1/6 B. 2/6 C. 1/36 D. 3/6
11	Binomial distribution is used when n is	A. Large B. Small C. Negative D. Zero
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	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
14	The binomial distribution has the following parameters.	A. p & q B. n & q C. n, p & q D. None of these
15	Mean, Median and mode of binomial distribution can be equal if	B. P < q < 1/2 C. P > q < 1/2 D. P <span style="color: rgb(0, 0, 0); font-family: 'Lucida Sans Unicode',

		'Lucida Grande', sans-serif; font-size: 18px; line-height: 23.390625px;">≠ q
16	The binomial distribution is symmetrical if	A. p = 1/2 B. P > 1/2 C. p < 1/3 D. P ≠ q
17	The probabilyt density function p (x) cannot exced.	A. zero B. One C. Mean D. Infinity
18	In binomial experiment successive trials are:	A. Dependent B. Independent C. May be independent or dependent D. None of these
19	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
20	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