Statistics Ics Part 1 Chapter 8 Online Test

Sr	Questions	Answers Choice
1	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)
2	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
3	N-K is classified as	A. Success B. Failures C. Parameters D. Range
4	The expected value of a discrete random variable is.	A. Always an integer B. Always one of the values that the random variable can assume C. An interal of values D. None of these
5	A copntinuous probability distribution may be represented by.	A. A table B. a graph C. A mathmethical equation D. Botha b and c
6	The binomial distribution has the following parameters.	A. p & q B. n & q C. n, p & q D. None of these
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	The probability of success ---------- from one trial to another when trials are dependent	A. Remains constant B. Is changed C. One D. Zero
9	Binomial distribution is positively skewed	A. P < 1/2 B. P > 1/2 C. P = 1/2 D. P < q < ¹/₂
10	A fair die is rolled three times. The probability of getting three "aces" is	A. 1/3 B. 1/6
11	The parameters of the binomial distributions are	A. x and n B. x and p C. p and q D. n and p
12	If (E(X) = E than find arithmetic means will be.	A. 1 B. 4 C. 0 D. 8
13	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
14	The probability of even/odd number when a fair die rolled is:	A. 1/6 B. 2/6 C. 1/36 D. 3/6
15	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
16	An expected value of a random variable is equal to its.	A. Variance B. B.D. C. Mean D. Co - Variance
17	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
18	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)
19	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
20	The parameters of hypergeometric distribution are:	A. n,k & p B. n, k & q C. n, p & q D. n, k & N