Statistics Ics Part 1 Chapter 8 Online Test

Sr	Questions	Answers Choice
1	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
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	The parameters of the binomial distributions are	A. x and n B. x and p C. p and q D. n and p
4	Mean, Median and mode of binomial distribution can be equal if	B. P < q < 1/2 C. P > q < 1/2 D. P ≠ q
5	In a discriete probability distribution the sum of all the probabilities is alwyas	A. 0 B. 1 C. -1 D. 8
6	Probility density function is the probebilyt function of.............. random variable.	A. Discrete B. Qualitative C. Continuous D. None
7	Hypergeometric distribution is a	A. Continuous distribution B. Discrete distribution C. Simple distribution D. Normal distribution
8	The hypergeometric distribution has -------------- parameters	A. One B. Two C. Three D. Four
9	The mean of binomial distribution is always:	A. Equal to variance B. Less than variance C. Greater then variance D. None of the these
10	If in binomial distribution, $\mu = 6$, $p = 3/5$, the number of trial are:	A. 18 B. 30 C. 10 D. None of these
11	In binomial distribution, the random variable has a range:	A. 0,1,2..................n B. 0,1,2,......+∞ C. -∞ to +∞ D. ∞ to +0
12	Binomial distribution is used when n is	A. Large B. Small C. Negative D. Zero
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	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)

15	Binomial distribution is positively skewed	A. P < 1/2 B. P > 1/2 C. P = 1/2 D. P < q < ¹/₂
16	In hypergeometric distribution, the successive trials are.	A. Dependent B. Independent C. Both (A) & (B) D. None of these
17	An expected value of a random variable is equal to its.	A. Variance B. B.D. C. Mean D. Co - Variance
18	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}
19	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
20	Random numbers can be generated mechanically by	A. By use of digital computers B. Probgrammable calculators C. Ordinary calculators D. Both a and b