

## Statistics Ics Part 1 Chapter 8 Online Test

Sr	Questions	Answers Choice
1	The parameters of hypergeometric distribution are:	A. $n, k$ & $p$ B. $n, k$ & $q$ C. $n, p$ & $q$ D. $n, k$ & $N$
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 binomial distribution has the following parameters.	A. $p$ & $q$ B. $n$ & $q$ C. $n, p$ & $q$ D. None of these
4	In binomial distribution, the random variable has a range:	A. $0, 1, 2, \dots, n$ B. $0, 1, 2, \dots, +\infty$ C. $-\infty$ to $+\infty$ D. $\infty$ to $0$
5	In binomial experiment successive trials are:	A. Dependent B. Independent C. May be independent or dependent D. None of these
6	The hypergeometric distribution has ----- parameters	A. One B. Two C. Three D. Four
7	The binomial distribution is symmetrical if	A. $p = 1/2$ B. $p > 1/2$ C. $p < 1/3$ D. $p \neq 0, 0$
8	The repeated trials of binomial experiments are	A. Dependent B. Independent C. Fixed D. Variable
9	The probability of success ----- from one trial to another when trials are dependent	A. Remains constant B. Is changed C. One D. Zero
10	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
11	A fair die is rolled three times. The probability of getting three "aces" is	A. $1/3$ B. $1/6$
12	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
13	The number of possible outcomes in Bernoulli trial is	A. Three B. Four C. Two D. One
14	Which of the following is true for binomial distribution	A. Mean $>$ variance B. Mean $<$ variance C. Mean = variance D. Mean + standard deviation
15	The parameters of the binomial distributions are	A. $x$ and $n$ B. $x$ and $p$ C. $p$ and $q$

D. n and p

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N-K is classified as

- A. Success
- B. Failures
- C. Parameters
- D. Range

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Mean of hypergeometric distribution is

- A. np
- C. np
- D. Nnk