

## Statistics Ics Part 1 Chapter 9 Online Test

Sr	Questions	Answers Choice
1	The probability of failure is equal to.	A. p B. 1 - q C. P - 1 D. 1 - P
2	A fair coin tossed four times, the probability of getting four heads is.	A. 1 B. 1/4 C. 1/2 D. 1/10
3	In a binomial experiment, the successive trials are.	A. Dependent B. Independent C. Mutually exclusive D. Fixed
4	The binomial probability distribution is symmetrical when	A. $p = q$ B. $p < q$ C. $p > q$ D. $np > npq$
5	The hypergeometric distribution has parameters	A. Two B. Three C. Four D. Five
6	In a binomial experiment with three trials, the variable can take.	A. 2 Values B. 3 Values C. 4 Values D. 5 Values
7	The mean of a binomial distribution depends on	A. Probability of success B. Probability of failure C. Number of trials D. Both a and c
8	If $p = q = 1/2$ then distribution is called.	A. Positively B. Skewed C. Symmetrical D. Negatively
9	In which distribution the successive trials are with replacement	A. Hypergeometric B. Binomial distribution C. Continuous distribution D. Discrete distribution
10	In which distribution the probability of success remains constant from trial to trial	A. Hypergeometric distribution B. Binomial distribution C. Sampling distribution D. Continuous distribution
11	Mean of hypergeometric distribution is	A. $mN/k$ B. $nk/N$ C. $k/nN$ D. $Nk/n$
12	The standard deviation of a binomial distribution depends on.	A. Probability of success B. Probability of failure C. Number of trials D. Both a and c
13	If the probability of success $p = 0.4$ for a binomial trial, the expression ${}^7P_3 (0.4)^3 (0.6)^4$ given the probability of getting.	A. Exactly three successes in seven trials B. Exactly four successes in seven trials C. Three or more successes in seven trials D. Four or more successes in seven trials.
14	The mean of a binomial distribution depends on.	A. Probability of success B. Probability of failure C. Number of trials D. Both a and c
		A. $p < q$

15	Binomial distribution is negatively skewed if.	B. $p > q$ C. $p = q$ D. $np = npq$
16	For positively skewed binomial distribution	A. $P = 0$ B. $P < 0.5$ C. $P > 0.5$ D. $P = 0.5$
17	If $N = 40$ , $n = 5$ , $k = 4$ , then mean of hypergeometric distribution is.	A. 1 B. $1/2$ C. $1/4$ D. $1/3$
18	Binomial distribution is positive skewed when	A. $p > q$ B. $p = q$ C. $p < q$ D. $p = 1/2$
19	Binomial distribution has parameter	A. One B. Two C. Three D. Four
20	In which distribution the successive trials are without replacement.	A. Hypergeometric distribution B. Binomial distribution C. Continuous distribution D. None of these