

Statistics Ics Part 1 Chapter 8 Online Test

Sr	Questions	Answers Choice
1	Random numbers can be generated	A. Manually B. Mechanically C. Botha a and b D. None of these
2	Probility density function is the probebilyt function of random variable.	A. Discrete B. Qualitative C. Continuous D. None
3	The mean of binomial distribution is always:	A. Equal to variance B. Less than variance C. Greater then variance D. None of the these
4	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)
5	The probability of even/odd number when a fair die rolled is:	A. 1/6 B. 2/6 C. 1/36 D. 3/6
6	Mean, Median and mode of binomial distribution can be equal if	B. P < q < 1/2 C. P > q < 1/2 D. P ≠ q
7	If in binomial distribution, μ = 6, p = 3/5, the number of trial are:	A. 18 B. 30 C. 10 D. None of these
8	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
9	If the random variable X denotes the number of heads when three distinct 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
10	if X and Y are independent random varaibesl the S.D. (X-Y) is equal to	A. Var (X) - var (Y) B. Var (X) + Var (Y) C. E(X-Y)2 D. E(X + Y)2
11	In binomial distribution, the random variable has a range:	A. 0,1,2n B. 0,1,2,+∞ C∞ to +∞ D. ∞ to +0
12	Mean of hypergeometric distribution is	A. np C. np D. Nnk
13	Which of the following distribution(s) has 3 parameters.	A. Binomial distribution B. Hypergeometric distribution C. Both of the above D. None of these
14	The repeated trials of binomial experiments are	A. Dependent B. Independent C. Fixed D. Variable
		A. { 1,2,3, 10 }

15	Random numbers are generated from the single digit numbers.	B. { 0, 1,2,
16	Binomial distribution is used when n is	A. Large B. Small C. Negative D. Zero
17	The binomial distribution has the following parameters.	A. p & q B. n & q C. n, p & q D. None of these
18	The probability of success from one trial to another when trials are dependent	A. Remains constant B. Is changed C. One D. Zero
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	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)