

## Statistics Ics Part 1 Chapter 7 Online Test

Sr	Questions	Answers Choice
1	$F(y_1) \leq F(y_2)$ if	A. $y_1 \geq y_2$ B. $y_1 > y_2$ C. $y_1 \leq y_2$ D. $y \geq 1/2$
2	The numbered balls are paced in an urn, Numbers 1- 4 are red and numbers 5 -10 are blue. the probability that a ball drawn at random from the run is blue is.	A. 0.1 B. 0.4 C. 0.6 D. 1.0
3	The properties of discrete probability distribution are:	A. $\sum p(x) = 1$ and $\sum x(x) = 1$ B. $\sum P(x) = 1$ and $\sum x.P$ C. $\sum P(x) = 1$ and $0 \leq P(x) \leq 1$ D. All of these above
4	If the random variable x denotes the number of heads when three distinct coins are tossed, the x assumes values	A. 0, 1, 2, 3 B. 1, 3, 3, 1 C. 1, 2, 3 D. None of these
5	the term 'event' is used for.	A. Time B. Subaet of the sample space C. Total number of outcomes D. Probability
6	Tossing two dice possble sampes are.	A. 2 B. 6 C. 12 D. 36
7	The probability of drawing two acea from apack of 52 cards with replacement is.	A. 1/169 B. 1/10 C. 1/4 D. 1/256
8	The probability of getting one red ball from a bag constaining 4 red, 3 white and 3 black balls is.	A. 3/10 B. 1/5 C. 2/5 D. 1/2
9	$F(-\infty)$ is always equal to	A. Zero B. One C. Two D. Negative one
10	Which one is not an example of random experiments.	A. A coin is tossed and the outcome is either a head or a tail B. A six sided aid is rolled C. All medical insurance clams received by a company in a given year. D. Some one of person will be admitted to a hospital emergency room during any hour.
11	For a constant K ,the variance of K.	A. Zero B. $A^{-2}$ C. K D. None of these
12	$E(x - \mu)$ is equal to:	A. E(x) B. zero C. $\mu$ D. $X - \mu$
13	The probability of a continuous random variable at $x = a$ is -----	A. One B. Zero C. Between 0 and 1 D. More than one
14	Hourly temperature recorded by weather brave is the example of:	A. Discrete variable B. Continuous variable C. Qualitative D. Both A and B

15	F (+∞) is always equal to:	A. 0 B. Two C. One D. None of these
16	Question Image <input type="text"/>	A. 4/10 B. 2/10 C. 1/10 D. 0
17	The probability of drawn any one spade card is.	A. 1/32 B. 1/18 C. 1/4 D. 4/13
18	F(-∞) is always equal to.	A. Zero B. One C. Two D. Negative one
19	The probability of continuous random variable at x = a is_____.	A. One B. Zero C. Between D. More then one
20	If a Vann diagram is drawn for events A and B which are mutually exclusive, which f the folioing would always be true of A and B.	A. Their parts of the rectangle will overlap B. Their parts fo the rectangle will be equal in area C. Their parts of the rectangle will not overlap D. None of these