

Statistics Ics Part 1 Chapter 7 Online Test

Sr	Questions	Answers Choice
1	The probability of drawn any one spade card is.	A. 1/32 B. 1/18 C. 1/4 D. 4/13
2	$\text{Var}(B/aX) = ?$	A. $1/a\text{Var}(X)$ B. $b^2/a^2\text{Var}(X)$ C. $b^2/a\text{Var}(X)$ D. None of these
3	the term 'event' is used for.	A. Time B. Subaet of the sample space C. Total number of outcomes D. Probability
4	When two coins are tossed simulataneously the probability of at most one head is.	A. 1/2 B. 1/4 C. 3/4 D. None of these
5	Probability distribution of a continuous random variable can be presented by	A. tabular form B. Formula C. Curve D. None of these
6	For two independent random variables, $\text{Var}(x) = 14$ and $\text{Var}(Y) = 5$, then $\text{var}(X-y)$ is equal to.	A. 9 B. 70 C. 19 D. None of these
7	$F(+\infty)$ is always equal to:	A. 0 B. Two C. One D. None of these
8	If two coins are tossed, the probability of getting one head and one tail is.	A. 1/4 B. 2/4 C. 3/4 D. 2/3
9	If the random variable x denotes the number of heads of when three distinct coins are tossed k the X assumes values.	A. 0,1,2,3 B. 1,3,3,1 C. 1,2,3 D. 1,1,1,1
10	A student soved 25 questions from first 50 questios of a book to be solved. The probab, that he will solve the remaining all questions.	A. 0.25 B. 0.51 C. 1 D. 0
11	Which of the following is suitable for discrete probability distribution.	A. Frequency polygon B. Probability C. Ogive D. Histogram
12	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
13	The probability of an event cannot be.	A. = 0 B. > 0 C. =1 D. < 0
14	What is the probability that a value chosen at random from a particular population is larger than the median of the population.	A. 0.25 B. 0.5 C. 1.0 D. 0.67
15	Events with equal probabilities are called.	A. Mutually exclusive events B. Exhaustive events C. Equaily likely events D. None of these

D. Simple events

16 The probability of red card out of 52 cards is.

- A. 1/4
- B. 1/2
- C. 4/52
- D. zero

17 If $y = -7x$ then $E(y) = \dots\dots\dots$

- A. $E(x)$
- B. $-7X$
- C. $-7E(X)$
- D. Zero

18 Why are the outcomes of a coin tossing mutually exclusive.

- A. The outcome of any toss is not affected by the outcome of those preceding it.
- B. Both a head and a tail cannot turn up on any one toss
- C. The probability of getting a head and the probability of getting a tail is the same.
- D. All of these

19 The simple probability of occurrence of an event is called the.

- A. Joint probability
- B. Conditional probability
- C. Marginal probability
- D. Subjective probability

20 The coins are tossed, the probability of two tails is equal to.

- A. 1/2
- B. 1/4
- C. 3/4
- D. 1