

## Statistics Ics Part 1 Chapter 7 Online Test

Sr	Questions	Answers Choice
1	The probability of red card out of 52 cards is.	A. 1/4 B. 1/2 C. 4/52 D. zero
2	The probability of getting an odd number when a balanced die is rolled is.	A. 1/2 B. 1/3 C. 1/4 D. 1/6
3	If a is a constant then $E(a)$ is equal to	A. a B. Square of a C. Zero D. 2a
4	If x and y are independent random variables, then $E(xy)$	A. $E(xy)$ B. $xE(y)$ C. $E(x)$ D. $E(x)E(y)$
5	The probability of drawan any one spade card is.	A. 1/32 B. 1/18 C. 1/4 D. 4/13
6	Question Image	A. 4/10 B. 2/10 C. 1/10 D. 0
7	The result of no interest of an experiment is called.	A. Constant B. even C. Failure D. Success
8	The coins are tossed, the porbability of two tails is euql to.	A. 1/2 B. 1/4 C. 3/4 D. 1
9	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 claims received by a company in a given year. D. Some one of person will be admitted to a hospital emergency room during any hour.
10	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
11	If mean = 25 and variance is also 25, then coefficient of variation is	A. 100% B. 25% C. 20% D. 10%
12	What is the probability that a value chosen at random from a particular population is larger than the median of the poplution.	A. 0.25 B. 0.5 C. 1.0 D. 0.67
13	A set of numerical values assigned to a sample space is called.	A. Random sample B. Random variable C. Random numbers D. Random experiment
14	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

---

15	For discrete random variable 'X' the expectation of $X$ i-e $E(x)$ is equal to:	A. $\sum p(x)$ B. $\sum x p(x)$ C. $\sum x^2 p(x)$ D. One
16	When two dice are rolled, the number of possible sample points is.	A. 6 B. 12 C. 36 D. 48
17	Variance $\sigma^2$ is equal to $E(y^2) - \dots$	A. $E(y)$ B. $[E(y)]^2$ C. $E(y^2) - E(y)^2$ D. $E(y^2) - (E(y))^2$
18	Hourly temperature recorded by weather brave is the example of:	A. Discrete variable B. Continuous variable C. Qualitative D. Both A and B
19	The properties of discrete probability distribution are:	A. $\sum p(x) = 1$ and $\sum x_p(x) = 1$ B. $\sum p(x) = 1$ and $\sum x_p(x) = 1$ C. $\sum p(x) = 1$ and $0 \leq p(x) \leq 1$ D. All of these above
20	For a constant $k$ , the variance of $k$ is	A. zero B. $k^2$ C. $k$ D. none of these

---