Statistics Ics Part 1 Chapter 7 Online Test

Sr	Questions	Answers Choice
1	What is the probability that a value chosen at random from a particular population is larger than the median of the popultion.	A. 0.25 B. 0.5 C. 1.0 D. 0.67
2	Why are the outcomes of a coin tossing mutually exclusive.	A. The outcome of any toss is not affected by teh 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
3	The simple probability of occurrence of an event in called the.	A. Joint probability B. Conditional probability C. Marginal probability D. Subjective probability
4	If one event is unaffected by the outcome of another event, the two events are said to be	A. Dependent B. Independent C. Mutually exclusive D. Both b and c
5	Var (B/aX) =?	A. 1/aVar(X) B. b²/a² Var(X) C. b²/a Var(X) D. None of these
6	F (+∞) is always equal to:	A. 0 B. Two C. One D. None of these
7	Hourly temperature recorded by weather brave is the example of:	A. Discrete variable B. Continuous variable C. Qualitative D. Both A and B
8	For two independent random variables, Var(x) = 14 and Var(Y) = 5, then var (X-y) is equal to.	A. 9 B. 70 C. 19 D. None of these
9	E(Y2) -[E(y)]2 is the formula, and to compute.	A. Variance of the random variable B. Mean of the random variable C. Both A and B D. None of these
10	If y =-7x then E(y) = ...	A. E(x) B. -7X C. -7E(X) D. Zero
11	The properties of discrete probability distribution are:	A. Σp (x) = 1 and Σx. (x) = 1 B. ΣP (x)= 1 and Σx. P C. ΣP(x) = 1 and 0 < P(x) ≤ 1 D. All of these above
12	The Area of trapezoid is equal to:	A. sum of paralled sides x base B. sum of paralled sides x base/2 C. 2 x base x sum of paralled side D. Sum of paralled sides x base/4
13	Coefficient of variation (C.V) is given below	A. Mean /S.D x10 B. Mean/S.D x 100 C. S.D/Mean x 100 D. S.D/ Mean
14	For discrete random variable 'X' the expectation of X I-e E(x) is equal to:	A. Σp(x) B. Σxp(x) C. Σx²p(x)

		D. One
15	Var (KY) = ...	A. KY B. K² Var(Y) C. K²Var (Y) D. None of these
16	E(X ± Y) =.....	A. E(X) + E(Y) B. E(X) - E (Y) C. E(x) ± E (Y) D. None of these
17	A random variable is also called.	A. Chance variable B. Stochastic variable C. Discrete variable D. Both A and B