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Question # 1 of 10 (Start time: 12:11:21 AM) Total Marks: 1

Let X be a random variable with binomial distribution, that is (X=0,1,..., n). The expected value E[X] is

Select correct option:

p

np

np(1-p)

Xnp

Question # 2 of 10 (Start time: 12:12:17 AM) Total Marks: 1

The sample mean is an unbiased estimator for the population mean. This means:

Select correct option:

The sample mean has a normal distribution

The average sample mean, over all possible samples, equals the population mean

The sample mean is always very close to the population mean

The sample mean will only vary a little from the population mean

Question # 3 of 10 (Start time: 12:13:17 AM) Total Marks: 1

Probability of an impossible event is always:

Select correct option:

Less than one

Greater than one

Between one and zero

Zero

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Question # 4 of 10 (Start time: 12:13:48 AM) Total Marks: 1

The function abbreviated to d.f. is also called the.....

Select correct option:

- Probability density function
- Probability distribution function
- Commutative distribution function
- Discrete function

Question # 5 of 10 (Start time: 12:14:50 AM) Total Marks: 1

The total area under the normal curve is:

Select correct option:

- 0
- 1
- 0.5
- 0.75

Question # 6 of 10 (Start time: 12:15:12 AM) Total Marks: 1

Two events A & B are said to be independent if....

Select correct option:

- P (A) + P (B)
- P (B\A) = P (B)
- P (A) * P (B)

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P (A\B) = P (A)

Question # 7 of 10 (Start time: 12:15:31 AM) Total Marks: 1

When two coins are tossed the probability of at most one head is:

Select correct option:

1/4

2/4

3/4

1

Question # 8 of 10 (Start time: 12:16:33 AM) Total Marks: 1

For exhaustive events, the P(AUBUC) is equal to:

Select correct option:

P(A)

P(S)

P(A) * P(B)* P(C)

P(B)

Question # 9 of 10 (Start time: 12:17:46 AM) Total Marks: 1

One card is drawn from a standard 52 card deck. In describing the occurrence of two possible events, an Ace and a King, these two events are said to be:

Select correct option:

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independent

randomly independent

random variables

mutually exclusive

Question # 10 of 10 (Start time: 12:18:23 AM) Total Marks: 1

The number of parameters in hypergeometric distribution is (are):

Select correct option:

1

2

3

4