

Quiz Start Time: 03:44 PM

Time Left 84

sec(s)

Question # 1 of 10 (Start time: 03:44:54 PM) Total Marks: 1

For mutually exclusive events A and B

Select correct option:

Probability of A intersection B > 0

Probability of A intersection B < 0

Probability of A intersection B $= 0$

None of these

Question # 2 of 10 (Start time: 03:46:22 PM) Total Marks: 1

In the normal distribution curve, peak of the bell-shaped curve gives

Select correct option:

Standard deviation

Variance

Mean

Frequency

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sec(s)

Question # 3 of 10 (Start time: 03:47:09 PM) Total Marks: 1

Faulty apple toffees in a production line average out at 6 per box. The management is willing to replace one box in a hundred. What is the number of faulty toffees that this probability corresponds to?

Select correct option:

20

18

13

None of these

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sec(s)

Question # 4 of 10 (Start time: 03:48:27 PM) Total Marks: 1

In tossing of a coin, the outcomes on successive trials are independent.

Select correct option:

True

False

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sec(s)

Question # 5 of 10 (Start time: 03:49:16 PM) Total Marks: 1

The Excel command “=BINOMDIST(4, 10, 2, FALSE)” gives an error of #NUM. The reason is that the probability of successes is 2 which is wrong. The probability of successes cannot be greater than 1.

Select correct option:

True

False

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sec(s)

Question # 6 of 10 (Start time: 03:49:44 PM) Total Marks: 1

The following formula for probability $P(A \text{ or } B) = P(A) + P(B) - P(A \text{ and } B)$ is called

Select correct option:

The law of addition

The law of subtraction

The law of multiplication

None of these

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Question # 7 of 10 (Start time: 03:51:13 PM) Total Marks: 1

The number of false fire alarms in a suburb of London on averages 4 per day. Assuming that a Poisson distribution is appropriate, the probability that 3 false alarms will occur on a given day is given by

Select correct option:

$P(X=3) = (4^3 e^{-3})/4!$

$P(X=3) = 1 - (4^3 e^{-3})/3!$

$P(X=3) = (4^3 e^{-4})/3$

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Question # 8 of 10 (Start time: 03:52:38 PM) Total Marks: 1

What is the probability of at least one head in the experiment of tossing a coin three times?

Select correct option:

$1/7$

$7/8$

$1/8$

$8/7$

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Question # 9 of 10 (Start time: 03:53:35 PM) Total Marks: 1

Probability of sure event is -----

Select correct option:

0

1

-1

None of these

Quiz Start Time: 03:44 PM

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sec(s)

Question # 10 of 10 (Start time: 03:54:29 PM) Total Marks: 1

Formulation for Poisson distribution i-e " $\text{POISSON}(x, \text{mean}, \text{cumulative})$ " is truncated if 'x' is

Select correct option:

Non-integer

Integer

Integer but expected numeric value

Integer but non-expected value

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