Question # 7 of 10 (Start time: 06:19:28 AM, 15 August 2022) Total Marks: 1

In which of the following distributions is the probability of a success usually small?

Select the correct option

- Binomial
- Hypergeometric
- All distribution
- Poisson

P[(X+Y) < 2] =? , where x=0, 1, 2 and y=0, 1, 2

Select the correct option

- f(0,0) + f(1,1) + f(1,0)
- f(0,0) + f(1,1) + f(2,0)
- f(0,1) + f(0,2) + f(2,0)
- f(0,0) + f(0,1) + f(1,0)

Question # 9 of 10 (Start time: 06:21:33 AM, 15 August 2022) **Total Marks:** 1

Which of the following is NOT CORRECT about a standard normal distribution?

Select the correct option

- P (Z = -1.0) = .03413
- P (Z = -2.5) = .4938
- P(Z = 2.0) = .0228
- P (0 = Z = 1.50) = .4332

Binomial distribution has two parameters; which are:

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Select the correct option

- None
- p and n ✓
- p and q
- X and n

Uniform distribution is a:

Select the correct option

- ○ None of the above
- ○ Mixed
- ◉ Discrete distribution
- ○ Continuous Distribution

Question # 6 of 10 (Start time: 12:49:27 PM, 15 August 2022) Total Marks: 1

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

Select the correct option

- 1
- 3
- 4
- 2

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STA301 - Statistics and Probability (Quiz#3)

Quiz Start Time: 12:43 PM, 15 August 2022

Question # 7 of 10 (Start time: 12:50:42 PM, 15 August 2022)

Total Marks: 1

For the Poisson distribution $P(X = 1) = \frac{e^{-0.135}0.135^1}{1!}$ the mean value is:

Select the correct option

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- $e^{-0.135}$
- 0.135
- 1
- -0.135

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Question # 8 of 10 (Start time: 12:51:53 PM, 15 August 2022) Total Marks: 1

The function F(x) gives the probability of the event that X takes a value a value.....

Select the correct option

- (●) $P(X<x)$
- ( ) $P(X\leq x)$
- ( ) $P(X>x)$
- ( ) $P(X=x)$

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Which of the following is true for the Poisson distribution:

Select the correct option

- mean = standard deviation
- mean = variance
- mean > variance
- mean > variance

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The shape parameter of normal distribution is:

Select the correct option

- Mean
- Mode
- Median
- Standard Deviation

Quiz

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Q: ... 06:09:16 AM, 15 August 2022)

Total Marks: 1

In a binomial experiment:

Select the correct option

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- Number of trials "n" is a fixed
- Number of trials "n" is a variable
- Number of trials "n" is not specified
- None of the above

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6:09 am
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