

ASSISTANT DIRECTOR IN A.P. ECONOMICS AND STATISTICAL SERVICE
NOTIFICATION NO. 04/2019

REVISED KEY FOR STATISTICS

Question 82. Let X , Y and Z be the exponentially distributed random variables with respective means λ , 2λ and 3λ . Let v_1 , v_2 and v_3 denote the coefficient of variations of the distributions of X , Y and Z , respectively. Which one of the following is correct?

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Question 83. Let X , Y and Z have Poisson distribution with respective means λ , 4λ and 9λ . Let v_1 , v_2 and v_3 denote the coefficient of variations of the distributions of X , Y and Z , respectively. Which one of the following is correct?

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Question 84. The coefficient of variation of a random variable X having binomial distribution with parameters n and p for which $P(X = 0) = 4P(X = 1)$, is

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Question 85. Let X be a random variable having binomial distribution with parameters n and p for which $P(X = 0) = P(X = 1)$. Then the distribution of X is

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Question 129. Given the trend equation: $Y = 36 + 12X$, where X units are in years and Y is the annual production of computers. The monthly trend equation is given by

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