Quiz-1   All changes saved in Drive

Questions   Responses   57   Settings   Total points: 10

Vivekanand College ,Kolhapur (Autonomous)   Internal Examination 2020-21   B.Sc. -II Semester III
Subject : Continuous Probability Distributions I

Date: 5/06/2021   Time : 9.00 am to 10.00 am

Instructions: Each question carry one mark.

Email *

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Geometric distribution is a particular case of-------

○ Binomial Distribution

○ Poisson Distribution

○ Discrete uniform Distribution

○ Negative binomial Distribution

If X1, X2…. Xn are i.i.d. geometric r.v. then ∑Xi follows…

○ geometric distribution

○ B(n,p)

○ NB(n,p)

○ NB(k,p)

A committee of 5 persons is to be formed from a group of 10ladies and 20 men using simple random sampling without replacement (SRSWOR). Then number of ladies on the committee will follow…….

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Mode of the binomial distribution is-----

○ not unique

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rujutadhere29@gmail.com

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⚪ unique

⚪ np

⚪ npq

If X has one point distribution with P(X =k)=1 and P(X≠k)=0, then variance of X is ……..   1 point

○ k

○ 1

◉ 0

○ None of these

The uniform distribution is----   1 point

○ positively skewed

○ negatively skewed

○ symmetric

◉ non-symmetric

If X→b(n,p) and E(X)=5/3, var(X)=10/9. Then the value of q is…….   1 point

○ 1/3

◉ 2/3

○ 1/6

○ 5/6

If X→b(n,1/4), then the probability distribution of Y=n-X is…….   1 point

○ b(n,1/4)

○ b(4n,1)

● b(n,3/4)

○ b(2n,1/4)

The second central moment of Poisson distribution with mean m is----   1 point

● m

○ 2m

○ m^2

○ m/2

Which of the following distribution has mean≤variance? *   1 point

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