CSE-407

Assignment-02

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Subject : OSE-407

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Problem - 1.

We are given a CDF where.

$$F_{X}(x): \begin{cases} \frac{1}{6} & \text{for } 0 \le x \le 1 \\ \frac{1}{2} & \text{for } 1 \le x \le 2 \\ \frac{3}{9} & \text{for } 2 \le x \le 3 \\ 1 & \text{for } x \ge 3 \end{cases}$$

So, we can find the PMF by.

So, we can also you that the songe of X will be

Problem-02

in a room that has twelve chains. In how marry ways can they sit in the chains?

Auswer ;

.. 8 chains out of 12 can be choosen in 12 Cg ways

.. Now there 8 members can be arranges in 8! ways.

Hence, total number of ways of 8 members reating in 12 chains = 12cg x 8!

= 495 X8!

= 19958400

(Ans)