

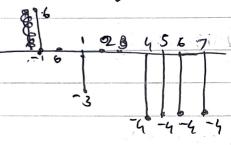
Name: Putual Madhukat Brude Class: Section 4 Roll no. S20230010193.

Q1 $\times [n] = 3 \cdot [n-2] - 6 \cdot [n+1] + 3 \cdot [n] - 4 \cdot [n-4]$ $\lim_{x \to 0} = \frac{3 \cdot [n]}{3 \cdot [n]} - \frac{6 \cdot [n+1]}{3 \cdot [n]} + \frac{3 \cdot [n]}{3 \cdot [n]} - \frac{4 \cdot [n-4]}{3 \cdot [n]}$

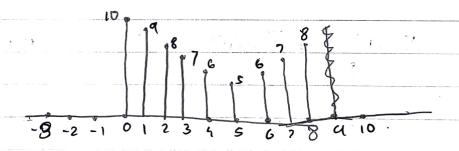
. 3½ Cn-23

-4 MEn-4] = 4567-

.: X[n] =



42 $\times \ln 3 = \begin{cases} -h+10 & 0 \le n \le s \\ 0 & 6 \le n \le 8 \end{cases}$



×[n] = 108[n] + 98[n-1] + 88[n-2] +78[n-3] +68[n-4] + 58[n-5] +68[n-6] +78[n-7] + 88[n-8].



