

Classwork 21

FA24

VAH

CPE381

Instructor: Rahul Bhadani

Name of the Student: _____

11/11/2024

Total Marks: 10 points

Q1. Compute the z-transform of the sequence given by

$x[n] =$

$$\begin{cases} 0, & n \leq 0 \\ 3, & n = 1 \\ 4, & n = 2 \\ 5, & n = 3 \\ 0, & n > 3 \end{cases}$$

(5 points)

Q2. Find the z-transform of discrete impulse function $\delta[n]$. (5 points)