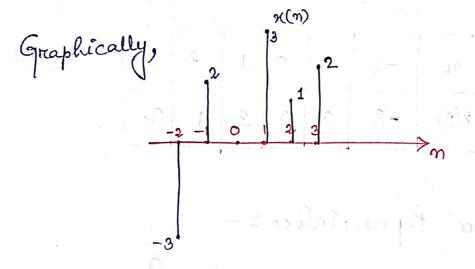
O Graphical Representation: -

Let us consider a
$$s/g$$
 $\alpha(n)$ with values $\alpha(-2) = -3$, $\alpha(-1) = 2$, $\alpha(0) = 0$, $\alpha(1) = 3$ $\alpha(2) = 1$ and $\alpha(3) = 2$.



@ Functional Representation:

In this, amplifude of the signal is written against the value of in? $ex:=0 \ 9C(n) = 0 \ 0 \ for \ n = 0$

privare of measuring The instantance values of continues time 4/9 in a discreti form

3 Tabular representation:

the magnitude of instant are Sampling instant m' and the signal at the sampling represented in labelar form.

n	-2	-910	0	1	2	3
n(n)	-3	2	Ö	3	0.0	2

(4) Sequence Representation: -

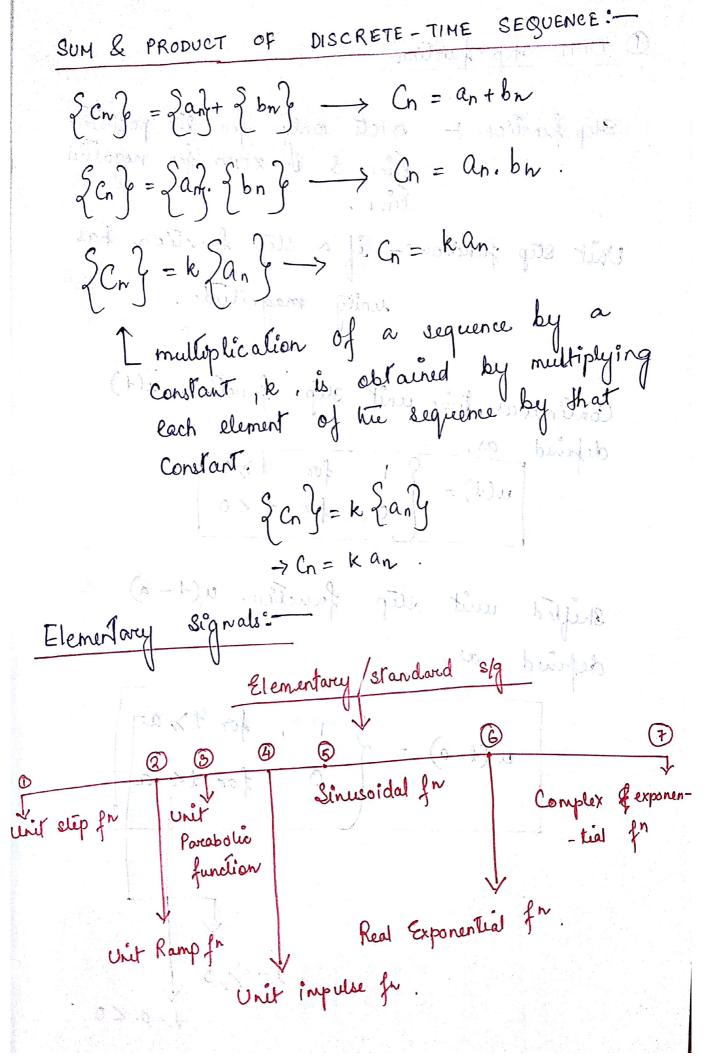
$$g((n) = S-3, 2, 0, 3, 1, 2)$$

* Arviow marek 1' denotes that n=0 lerm.
When no arviow is indicated, the first lurm corversponde to n=0

$$x(n) = \frac{2}{3} - 3, 1, = 0, 3, 1, 2$$

ABB AND SINE

= (m) = (D)



1 UNIT Step-function

Step function: exists only for the positive line & is zero for negative

Foldowick Tolday

Unit step function: - if a step function has unity magnitude.

Continuous-time unit step function in(+)

defined as,

u(+) = \[\begin{center} 1 & for & 1 > 0 \\ 0 & for & 1 < 0 \end{center} \]

shifted unit step function u(1-a) defined as,

$$u(t-a) = \begin{cases} 1, & \text{for } t > a \\ 0, & \text{for } t < a \end{cases}$$

$$t-a < 0$$

