## ASSIGNMENT - 6

Explain CAUR with examples:

CAGIR (compound Annual Growth rate) is the rare at which an investment grows annual assuming the Profits are reinvested at the end of each year. It smooths out the growth rate ever a period accounting for valatility & ghowing a Steady annual rate of growth from the beginning to the end of the previod. The formula for CACIR is CACIR = (Fraing value) /n

Ending value : value of the investment at the end of the period Beginning value : value of the investment at the Start of the period

n = wumber of years

Example 1 :- Investment arouth

tets say you invested \$10,000 ina Stock in 2019 & by 2023 the value of your investment pas grown to \$10,000. To Coleulate the CAUR.

beginning value (2019) = \$10,000

Ending value (2023) = \$20,000

Number of years (n) = 4

(near =  $(20000)^{1/4} - 1 = (2)^{0.25} - 1$ = 18.92%

So, the CACHR is 18.927. Meaning the investment grew by about 18.92%, per year on average over the 4 year period.