## Assignment - 2

a-: Why sour In sample variance (x-I)2
is divided by (n-1)?

is divided by (n-1)? =) When we collect some random sample from the population. Then there may be the charces where we get avery very jar/lower value by sample meanie, (I) as compare to the populat -ion mean i.e, (4) which, leads to the chances of getting a huge Variance difference of 2 april 22. So, in order correct the consequences of understimates the true variance of the population ne divide  $\xi(x-\bar{x})^2$  by (n-1) because as compare to dividing

it by(n), rel are getting more closer value to the ( $\tau^2$ ) value & and make the variance of one-element sample undefined nather than zero.