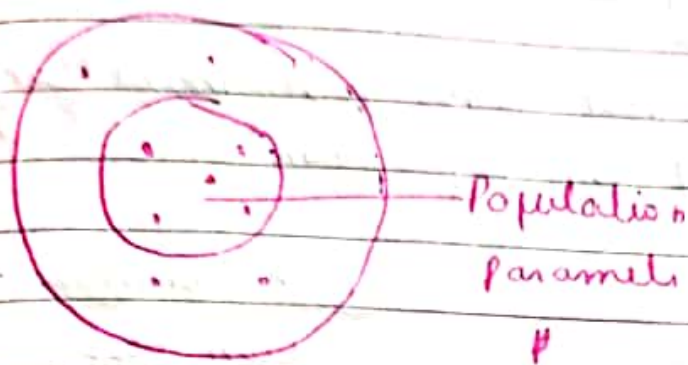


(Assignment no 14)

Q11 The Characteristics of good estimator.

① Unbiasedness



Unbiased



Biased

② Efficiency minimum variance

③ Consistency value of estimate tends to population

④ Sufficiency parameter

Q12 Unbiased estimator of mean and variance

For mean $\bar{X} = \frac{\sum X_i}{n}$

Variance $S^2 = \frac{\sum (X_i - \bar{X})^2}{n-1}$

Q13 IF we consider all the unbiased estimator the one with smallest variance is called unbiased estimator of parameter.

Q14 Please provide solution I am not able to solve.