Statistics - ICS Part 2 Statistics English Medium Chapter 3 Short Questions Preparation

Q1. Why correction for continuity is in above transformation

Ans 1: To make discrete Binomial variable X as continuous Normal variable.

Q2.

Ans 1:

Q3. What is name given to the factor (N - 1) (N - n).

Ans 1: It is known as finite population correction factor (f.p.c).

Q4. What is mean by "Level of Confidence" ?

Ans 1: It is the confidence coefficient expressed in percentage form.

Q5. What does interval estimator (or confidence interval) mean ?

Ans 1: It is a random interval of the sample data that is expected to include the unknown parameter it its range with a certain degree of confidence.

Q6. It is true that an increase in the sample size will result an increase in the value of standard error ?

Ans 1: An increase in the sample size would result a decrease in the value of standard error and therefore as result width of the confidence interval will be decreased.

Q7.

Ans 1:

Q8. Is it true that failure to reject the H_0 means the acceptance of H_A ?

Ans 1:

Q9. What is meant by "Confidence coefficient" ?

Ans 1: It is the probability that a random interval encloses the population parameter.

Q10. What is difference between the estimator and estimate ?

Ans 1: An estimator is a formula or function, which can assume different possible values for different samples where as an estimate is one of the possible numerical value of an estimator for a certain simple.
