

## Statistics - ICS Part 1 Statistics Chapter 9 Short Questions Preparation

Q7. What is the mean and variance of binomial distribution.



Q8. Define the binomial probability distribution.

**Ans 1:** If P is the prbabilyt of success in a single trial and q is teh probability of failure, then the probability of exactly x successes in a n trials of a binomial expriment.

Q9. Define hypergeometric random variable.

**Ans 1:** The random variable X which represents the number of successes in a hypergeometric experiment is called a hypergeometric ranodm variable, it is a dscrete variable which can assume any of the values x = 0,1,2,.....n,

Q10. Defile Binomial Experiment.

**Ans 1:** An experiment in which the outcomes can be classified as success or failure and probability of success remain constant from trail to trail is called a binomial experiment.