**STA301 Final Term Exam Papers August-2023**

Sta301Final Term Important Topic

❖ Covariance of two Random Variables  
❖ Correlation of coefficient of two random variables + Example  
❖ Binomial Distribution with properties  
❖ Formula of binomial Distribution + See formula of  
❖ Mean and variance on Properties of Binomial experiments  
❖ Hypergeometric Distribution Properties + Formula..  
❖ Properties of Hypergeometric Distribution with properties  
❖ Poisson Distribution  
❖ Properties + Formula + just see examples  
❖ Uniform Distribution + Formulas (219,220)  
❖ Normal Distribution Properties + formulas( see images)  
❖ Infrential Statistics + Types of Infrential statistics  
❖ Definitions +Formulas  
❖ Mean and Variance of Population Distribution  
❖ Mean and variance of Sampling Distribution  
❖ Sampling Distribution of P hat  
❖ Sampling distribution of difference of two values  
❖ Point Estimation  
❖ Desirable qualities  
❖ Efficiency  
❖ Method of Point Estimation  
❖ Method of Moments  
❖ Confidence interval Formula  
❖ Hypothesis testing  
❖ Definitions Formulas + properties  
❖ Level of Significance  
❖ Type1 And Type2 Error  
❖ Requirements of T-Test  
❖ Requirements of F-Test  
❖ Formulas + Properties + Mean and Variance Formulas