**Problem Statement 1: Chi-Square Test for Independence (Gender and Education Level)**

There is sufficient evidence at the 5% level of significance to conclude that gender and education level are dependent, meaning there is a relationship between gender and education level.

**Problem Statement 2: One-Way ANOVA**

Compare the calculated F-value to the critical value from the F-distribution table at α=0.05 and the appropriate degrees of freedom.

**Problem Statement 3: F-Test Calculation**

F = 4