CHEM 786L
Experiment 15
Prelaboratory Exercise

i. Assuming that you have a vitamin tablet which contains a known quantity of vitamin C, map out a procedure for determining the concentration of vitamin C in the tablet.

ii. If the given concentration of vitamin C in the above experiment is 300 mg and the standard solution used in part A of the lab text required 7.4 mL of DCIP solution for a color change to occur, determine how much DCIP solution you would expect to use for the above procedure.

iii. If your actual titration resulted in significantly less DCIP required than calculated in part ii, what would be the possible explanations?