WA State FFA Environmental Natural Resources CDE - 2022

Water Quality Practicum - 100pts

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

School/Team: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contestant #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Part A - Water Quality Testing - 50pts

**Temperature - 1opts**

 Using the thermometers provided indicate the temperature of the water sample

 in degrees Fahrenheit to the nearest degree. Place your answer in the box below.

 w/in 2 = 10pts

 w/in 3 = 8pts

 w/in 5 = 5pts

**Dissolved Oxygen - 1opts**

 Using the materials provided, titrate the “Fixed” sample of water for Dissolved

 Oxygen. To save time your sample has already been fixed, you just need to titrate

 the sample using the Sodium Thiosulfate. Place your answer in the box below.

 w/in 2 = 10pts

 w/in 3 = 8pts

 w/in 4 = 5pts

**pH - 15pts**

 Using the HACH Test Kit provided, indicate the pH of the water sample to the

 nearest tenth. Place your answer in the box below.

 w/in .2 = 15pts

 w/in .4 = 10pts

 w/in .6 = 5pts

**Phosphorus - 15pts**

 Using the HACH Test Kit provided, indicate the level of Phosphorus in the water

 sample to the nearest whole number. Place your answer in the box below.

 w/in 2 = 15pts

 w/in 4 = 10pts

 w/in 6 = 5pts