DEPARTMENT OF CIVIL ENGINEERING

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Mtech 3rd Semester Civil (WRE) WATER QUALITY AND ENVIRONMENT

**Tutorial Sheet--2**

1. Using a conductivity meter, find the TDS value of the given samples. Heat the

samples to 50 degrees and note the change in the value.

2. Using sodium chloride, in increments of 0.05 grams, note down the readings up

to 20 increments and draw a graph between TDS and NaCl added.

3. For the above experiment, use sugar instead of NaCl. What difference do you

find and why.

4. Using a pH meter, find out the pH value of the samples provided. Highlight the

process involved along with precautions required to be taken.

5. Explain the working of a turbidity meter. Find out the values of True and

Apparent turbidity of all the samples as explained in the class .

6. Taking the help of a DO saturation curve, find out the probability of the sample

provided to be polluted with oxygen consuming pollutants.