

DEPARTMENT OF CIVIL ENGINEERING
NIT SRINAGAR

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

Tutorial Sheet--1

1. Write down the various micro elements found in natural waters indicating their source and toxic effects.
2. Highlight the temperature effect in natural waters, especially stagnant water.
What can be the reasons for change of temperature.
3. Write down about titration process. Name some reagents and indicators used in titration .
4. In the laboratory, titrate a sample with weak and strong acids and note the changes in the pH values. Draw graphs for it.
5. Similarly titrate a sample with a weak and strong base and draw the graphs.
6. Draw figures explaining the colloidal solid dispersion in liquid
7. Why instrumental methods for water quality analysis are preferred . Name some basic and advanced instruments used for this purpose.