DEPARTMENT OF CIVIL ENGINEERING

 NIT SRINAGAR

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

 **Assignment-1**

1. How is the **ATOMIC ABSORPTION SPECRTOPHOTOMETER** different

 from other conventional water testing equipment. Highlight the various trace

 elements that can be detected by AAS.

2. Discuss the basic principle involved in the working of **AAS.**

3. What do you understand by **Bacteriological Indicators**. How are they used in

 the determination of **Pathogenic Bacteria in Water.** Also what is MPN and its

 implications.

4. Name and explain the Water Quality Microbal Indicators.

5. What type of elements are determined by **GAS CHROMATOGRAPHY**.

 Highlight the basic principles of this equipment