DEPARTMENT OF CIVIL ENGINEERING

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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