

### **CVE 499:c (1 Unit)**

Principles of volumetric, gravimetric analysis and colorimetry as applied to water and wastewaters. Identification of physical, chemical and bacteriological impurities in water and wastewaters. Bacteriological examinations of water, alkalinity, acidity and PH in water. Jar test experiment, (coagulation) for the determination of optimum dosage of alum, lime, speeds of slow mixing and rapid mixing e.t.c. determination of solids concentrations(suspended solids, dissolved solids, total solids, volatile solids). Determination of  $Cl_2$ ,  $O_2$ , e.t.c. dissolved in water.