

SYLLABUS :-

Physical characteristics of water - Turbidity, Taste, Odor, Colour, Electrical conductivity; Analysis of solids content of water - Dissolved, settleable, suspended, total, volatile, inorganic;; Alkalinity and acidity; Hardness - Total, calcium and magnesium; Analysis of ions - Fluoride, copper, arsenic; Optimum coagulant dose; Break point chlorination; Settling column analysis for sedimentation tank design; BOD and BOD rate constant determination; COD; DO and re-aeration constant determination; Bacteriological quality measurement: MPN, plate count