

SYLLABUS :-

Elements of public water supply system: Elements of public water supply system: Sources of water, water quality, Biochemical Oxygen Demand, intakes, pumping and transportation of water. Conventional water treatment â sedimentation, coagulation, filtration and disinfection. Distribution system, ferrule, water meters, stopcocks, bib cocks, and pipe appurtenances. Building service connections: cold and hot water distribution systems in buildings and their design, materials, joints, fittings and valves. Direct and indirect systems, special installation in multistoried buildings. Types of fixtures and materials- wash basins, water closets, urinals, bidets, sinks etc. Over-head and under-ground reservoirs. Conditions of flow in building drainage pipes, traps, vents and their material specifications. Design of drainage and vent pipes, system for low-rise and high-rise buildings, storm water drainage, design of storm drains, building drains, sewers, gully traps, inspection chambers, manholes, connection to public sewer. Waste-water disposal systems, septic tank, soak pits and anaerobic filters, on-site processing and disposal methods. Design of sewerage systems, conventional waste-water treatment, activated sludge, trickling filters etc. Solid wastes collection and removal from buildings.