

Shantilal shah Engineering College, Bhavnagar

Civil Engineering Department

Semester : 6th, Subject: Water and Waste Water Engineering (2160604)

ASSIGNMENT – I

1. Draw a complete general arrangement (GA) of Water Treatment Plant showing all the units. (Not Line diagram)
 2. Write function of each units of water treatment plant
 3. Draw a complete general arrangement (GA) Conventional Sewage Treatment Plant with Activated sludge treatment.
 4. Write functions of each units of Sewage treatment plant.
- Sheet Size: A1 with Title block on lower right hand side corner.

ASSIGNMENT – II

1. Enlist the various software popularly used for design of water supply system (Water Distribution network) and identify the various input data required for design.
2. Write down the various design criteria to be kept in mind while designing a water distribution system. (For example: Criteria for Velocity and head etc.) (Refer CPHEEO Manual on Water Supply and treatment)
3. Enlist the various software popularly used for design of Sewerage network and identify the various input data required for design.
4. Write down the various design criteria to be kept in mind while designing a Sewerage network. (For Example: Criteria for Velocity, slope, min diameter etc) (Refer CPHEEO Manual on Sewerage and Sewage treatment)