

**Programme:** B. Tech

**Course Name:** Environmental Engineering - I

**Course Code:** ECE 358

**Assignment – 1**

**Topics Covered – Unit 1 (CO1)**

### **Assignment – 1**

1. Discuss with appropriate sketches and figures (if necessary) the planning and execution of a Modern Water Supply Scheme. Highlight the key differences when considering for a new town and if the proposed system is to augment an existing system.
2. In the context of implementation of planning guidelines of water treatment system, discuss the principles and planning components of the system. Discuss in details the importance of planning.
3. With a neat sketch, explain the planning process and the expected outcomes from the planning project.
4. Discuss some of the outcomes of the effective planning. In this context, also explain some of the issues involved in planning
5. Discuss some of the key elements of planning process. Explain them in your own words.
6. Write a short note on the higher level inputs involved in the planning process.
7. With a neat sketch or graphical representation, explain the importance of planning process.
8. With a neat sketch explain the general layout of water supply scheme using river as a source.