



DEPARTMENT OF CIVIL ENGINEERING
S.V. NATIONAL INSTITUTE OF TECHNOLOGY, SURAT

[Energy and Environmental engineering]

Assignment -04 (WTP-WDS)

Total 10 marks

Q1. Which of the following is economical distribution system? (1)

- a) Gravity system
- b) Pressure system
- c) Combined gravity and pumping system
- d) Pumping system

Q2. The pressure in the distribution mains does not depend on _____(1)

- a) Altitude to supply water
- b) Fire fighting requirements
- c) Availability of funds
- d) Quality of water

Q3. In water treatment plant, dissolved gases, iron and manganese can be removed from water by- (1)

- a) Flocculation
- b) Filtration
- c) Coagulation
- d) Aeration followed by coagulation

Q4. Which type of water is generally used in the treatment of water? (1)

- a) Chlorinated water
- b) Treated water
- c) Raw water
- d) Sulphated water

Q5. The correct sequence of treatment of typical turbid surface water is (1)

- a) Flocculation, coagulation, sedimentation, filtration
- b) Flocculation, coagulation, filtration, sedimentation
- c) Coagulation, flocculation, sedimentation, filtration
- d) Flocculation, coagulation, filtration, sedimentation

Q6. Explain the process of sedimentation aided coagulation in water treatment plant.

Q7. Explain water distribution system of your area.