



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

[Energy and Environmental engineering]

Assignment -05 (WWT)

Total 10 marks

Q1. Which of the following sewerage systems carry domestic and industrial wastewater? (1)

- a) sanitary sewers
- b) storm sewers
- c) combined sewers
- d) storm and combined sewers

Q2. Trickling filter is used in which of the following wastewater treatment processes? (1)

- a) Primary treatment
- b) Secondary treatment
- c) Advanced treatment
- d) Final treatment

Q3. Which of the following gases are produced in large amounts during sludge digestion? (1)

- a) methane
- b) carbon monoxide
- c) hydrogen
- d) Oxygen

Q4 Which treatment method is used when the TSS in the sample is high? (1)

- a) Ultrafiltration
- b) High rate solid clarifier
- c) Pressure Sand filter
- d) Activated Carbon filter

Q5. Activated sludge is the (1)

- a) Resultant sludge removable from the aeration unit
- b) Sludge settled in humus tank
- c) Sludge in the secondary tank post aeration, rich in microbial mass
- d) Sludge in the secondary tank post aeration, rich in nutrients

Q6. Explain any two differences between attached system and suspended system.

Q7. Explain the working of grit chamber.