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School of Engineering**B.TECH Civil Engineering
Mid Term Examination - May 2024****Duration : 90 Minutes
Max Marks : 50****Sem VI - G1UA602T - Waste Water Treatment and Disposal Systems**General Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) With schematic describe various shapes used for the sewer sections K2 (2)
- 2) Define sustainable development and which sustainable development goals deals with water? K1 (3)
- 3) Describe the advantages and disadvantages offered by the water carriage systems K2 (4)
- 4) Explain the causes of the turbidity in water. How do you measure it? K2 (6)
- 5) Identify various steps or methods involved in the wastewater treatment plant. K3 (6)
- 6) Examine the function of coarse and fine screen based on the size of the screen and incoming particle size. K3 (9)
- 7) Compare BOD, BOD_u and COD for sewage. K4 (8)
- 8) What is reoxygenation? What are the factors that affect reoxygenation? K4 (12)

OR

What are the pollutants that should be removed before the sewage is considered safe for discharging back to water body? K4 (12)