

Model Question Paper
ANURAG Engineering College
 (An Autonomous Institution)
 III B.Tech. II Semester Regular Examinations, June -2025
ENVIRONMENTAL ENGINEERING

Time: 3 Hours

Max.Marks:60

Section – A (Short Answer type questions)		(10 Marks)		
Answer All Questions		Course Outcome	B.T Level	Marks
1.	Define the term “Per capita demand”?	CO1	L1	1M
2.	Give a list of different sources of water.	CO1	L1	1M
3.	What are the different elements used as coagulants.	CO2	L1	1M
4.	What is meant by disinfection?	CO2	L1	1M
5.	What are the characteristics of sewage?	CO3	L1	1M
6.	Define sewage farming?	CO3	L1	1M
7.	Draw the flow diagram of waste water treatment plant.	CO4	L1	1M
8.	What are the factors affecting sludge tank.	CO4	L1	1M
9.	What is air pollution?	CO5	L1	1M
10.	What is plume behaviour?	CO5	L1	1M
Section B (Essay Questions)				
Answer all questions, each question carries equal marks.		(5 X10M = 50M)		
11.	Explain in detail about the population forecasting methods.	CO1	L2	10M
OR				
12.	Describe the factors affecting on per capita water demand.	CO1	L3	10M
13.	Discuss the construction and working principle of slow sand filter.	CO2	L3	10M
OR				
14.	What is distribution system? Explain different layouts used for it.	CO2	L2	10M
15.	Explain about BOD and COD.	CO3	L2	10M
OR				
16.	Explain about one pipe system and two pipe systems of plumbing.	CO3	L2	10M
17.	Explain the principle and working of a trickling filter with neat sketch.	CO4	L2	10M
OR				
18.	Write about the working principle and design criteria of septic tank.	CO4	L3	10M
19.	Explain about effects of air pollution? What are the methods of controlling air pollution	CO5	L2	10M
OR				
20.	Write note on gravity settlers and cyclone filters	CO5	L3	10M