

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B.Tech Mid Semester Exam

Semester: 6th

Subject Code: 203142355

Subject Name: Environmental Engineering Management

Date: (01/02/2024)

Time: (1hr: 30min)

Total Marks: 40

Sr. No.		Marks
Q.1	(A) Five One-line Questions	05
1.	What are the main physical characteristics used to assess water quality?	
2	What is the significance of the biochemical oxygen demand (BOD) and dissolved oxygen (DO) profiles in rivers?	
3	Enlist the Steps followed in water treatment process.	
4	Write the purpose of Aeration in water treatment process.	
5	Define Autotrophs and Facultative heterotrophs.	
	(B) Five Fill in the blanks	05
1	Permanent hardness of water can be removed by _____	
2	The maximum permissible limit for fluoride in drinking water is _____	
3	Hardness in water is caused mainly due to _____	
4	Disinfection of water is done to remove _____	
5	The most common cause of acidity in water is-----	
Q.2	Attempt any four (Short Questions)	12
	(1) Enlist the methods of Aeration and Explain any one with Neat Sketch.	
	(2) Write a note on Measurement of Turbidity.	
	(3) Write a note on the impacts of Hardness.	
	(4) How many types of Screening are used in Treatment process. Which one is more suitable mention it with reason?	
	(5) Write a note on Stages of Hydrological Cycle.	
Q.3	Attempt any two questions	08
	(1) Write a note on Hardness.	
	(2) What are the Preventive measures for sewage sickness.	
	(3) What are the Effects of Air pollution on Human Health.	
Q.4	(A) What do you Understand by Purification of River?	05
	(B) Write a note on Disposal of waste water on Land.	05
	OR	
	(B) Write a note on Sewage Sickness	05