

G H Raisoni College of Engineering and Management, Pune
(An Autonomous Institution affiliated to Savitribai Phule, Pune University)

Department of First Year B. Tech.
Term - I (2024-25)

CAE-III

Environmental Chemistry (23UBSL1102)

[Time: 01 Hour]

[Max. Marks-20]

Instructions to the candidates:

- 1) All questions compulsory.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data, if necessary.
- 5) BL – Bloom's Taxonomy Level

Q.No.	Sub Question	CO	Marks	BL
1	a) Explain the determination of Hardness of water by EDTA Method .	CO1	[5]	L2
	OR			
	b) Explain the scale and sludge formation in boiler, causes and preventions..	CO1	[5]	L2
	c) Discuss about three major sources of water pollution with example. Give anyone method to control water pollution.	CO4	[5]	L2
	OR			
	d) Explain the term air pollution and air quality index. Discuss briefly about three pollutants as per WHO with suitable examples and their effect on humans.	CO4	[5]	L2
2	a) Explain Term <u>AQI</u> explain AQI scale 0-500 with 8 Air Pollutants.	CO4	[5]	L2
	OR			
	b) Explain sources of water pollution and its effects. Suggest in brief any two methods to control water pollution.	CO4	[5]	L2
	c) Explain the term Water Quality Index (WQI). Explain two sources of water pollution with their effects.	CO4	[5]	L2
	OR			
	d) Explain any two sources of air pollution. Explain any one controlling method of it. Mention the two effects of air pollution	CO4	[5]	L2