

THE KAVERY ENGINEERING COLLEGE*(An Autonomous Institution)***M.E DEGREE END SEMESTER THEORY EXAMINATIONS, NOV/DEC 2025***Second Semester**Environmental Engineering***PEVT2423 - Industrial Wastewater Pollution Prevention and Control***Regulations - 2024**Duration : 3 Hrs**Maximum : 100 Marks***PART - A (ANSWER ALL QUESTIONS) (Marks 10*2=20)**

<i>Q.No</i>	<i>Questions</i>	<i>BLT</i>	<i>CO</i>	<i>Marks</i>
1.	List the types of industrial waste water.	L1	1	2
2.	What is mean bioassay test?	L2	1	2
3.	Summarize the methods to control industrial pollution.	L2	2	2
4.	Define Pay-back period.	L2	2	2
5.	Infer Ion exchange method treating waste water.	L2	3	2
6.	What is meant by solids separation?	L2	3	2
7.	What is zero effluent discharge system?	L1	4	2
8.	Outline briefly about the management of RO rejects.	L1	4	2
9.	List the major characteristics of industrial effluents.	L2	5	2
10.	Interpret few source reduction options in waste water treatment.	L2	5	2

PART - B (ANSWER ALL QUESTIONS) (Marks 5*16 = 80)

<i>Q.No</i>	<i>Questions</i>	<i>BLT</i>	<i>CO</i>	<i>Marks</i>
11.	a Summarize the environmental impacts of industrial wastewater.	L2	1	16
	Or			
	b Explain in detail about the factors affecting generation industrial wastewater, monitoring and sampling.	L2	1	16
12.	a i Outline in detail about waste management hierarchy.	L2	2	8
	ii Summarize briefly about Source reduction techniques.	L2	2	8
	Or			
	b i Interpret Cost benefit analysis.	L2	2	8
	ii Summarize the ways of implementing & promoting pollution prevention programs in industries.	L2	2	8
13.	a Identify the effective method of removal of inorganic constituents in the treatment of waste water.	L3	3	16
	Or			
	b Organize various Biological treatment processes with its advantages and disadvantages.	L3	3	16

14.	a	Outline in detail about Joint treatment of industrial and domestic wastewater.	L2	4	16
		Or			
	b	Interpret the quality requirements for reuse of wastewater and limitations of wastewater Reuse.	L2	4	16
15.	a	Explain in detail, the characteristics of Tannery Effluents and the methodology of treatment.	L2	5	16
		Or			
	b	Explain the methodology of treatment process for waste water from Textile industry.	L2	5	16