

THE KAVERY ENGINEERING COLLEGE*(An Autonomous Institution)***B.E/B.TECH DEGREE END SEMESTER THEORY EXAMINATIONS, NOV/DEC 2025***Seventh Semester**Civil Engineering***OPE353 - Industrial Safety****(Common to Chemical Engineering)***Regulations - 2021**Duration : 3 Hrs**Maximum : 100 Marks****PART - A (ANSWER ALL QUESTIONS) (Marks 10*2=20)***

<i>Q.No</i>	<i>Questions</i>	<i>BTL</i>	<i>CO</i>	<i>Marks</i>
1.	What is meant by code of practice?	L1	1	2
2.	State the main objective of the Factories Act, 1948 in India.	L2	1	2
3.	List the Categories of Health Hazards.	L1	2	2
4.	How can radiation exposure be controlled in the workplace?	L2	2	2
5.	Define good housekeeping in industrial safety.	L1	3	2
6.	Why is machine guarding important?	L2	3	2
7.	Differentiate Hazard and Risk.	L1	4	2
8.	What are common findings during a plant safety inspection?	L2	4	2
9.	Why is Environmental Health and Safety Management important for industries?	L1	5	2
10.	List the education and training is needed for industrial safety.	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 i Discuss the need for developing robust Environment, Health, and Safety (EHS) systems in workplaces.	L4	1	8
	ii Analyze a well-known industrial accident case study.	L4	1	8
	Or			
	b Examine the Acts complement each other in ensuring a safe and healthy work environment.	L4	1	16
12.	a Enumerate the different categories of health hazards present in the workplace Provide examples for each category.	L2	2	16
	Or			
	b i Explain the hierarchy of control measures for managing occupational health risks.	L2	2	8
	ii Explain the potential health impacts on workers.	L2	2	8

13.	a	Elaborate the key features of a satisfactory and safe design for work premises.	L4	3	16
		Or			
	b	Describe the methods can be used to achieve effective ventilation and temperature regulation.	L4	3	16
14.	a	Discuss the importance of plant safety inspections in maintaining industrial safety.	L3	4	16
		Or			
	b	Compare the Hazard and Risk management techniques in detail.	L3	4	16
15.	a	Explain the methods for the effective implementation of an Environmental Health and Safety Management policy.	L3	5	16
		Or			
	b	Discuss the role of education and training in Environmental Health and Safety Management.	L3	5	16