

THE KAVERY ENGINEERING COLLEGE*(An Autonomous Institution)***UG/PG DEGREE END SEMESTER THEORY EXAMINATIONS, APR/MAY 2026****Seventh Semester****Chemical Engineering****OPE353 - INDUSTRIAL SAFETY****(Common To BE-CIVIL / CHEMICAL)****Regulations - 2021****Duration : 3 Hrs****Maximum : 100 Marks****PART – A(ANSWER ALL QUESTIONS) (Marks 10*2=20)**

Q.No	Questions	BTL	CO	Marks
1.	What is the role of trade union safety representatives in maintaining industrial safety?	K1	1	2
2.	Compare the regulations and codes of practice with respect to industrial safety?	K2	1	2
3.	How to classify the categories of health hazards?	K2	2	2
4.	How to control the radiation exposure in the works place?	K2	2	2
5.	What are the five steps housekeeping system?	K1	3	2
6.	List out some of the electrical hazards in a working environment?	K1	3	2
7.	How would you compare hazard and risk?	K2	4	2
8.	Compare onsite and offsite emergency plan.	K1	4	2
9.	List the primary goals of Environmental Health and Safety Management?	K1	5	2
10.	State the importance of regulatory compliance in EHS management?	K2	5	2

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

Q.No	Questions	BLT	CO	Marks
11. a	Analyze how the ergonomics principles are used to improve the work place.	K4	1	16
	Or			
b	Examine the regulations and codes of practice in the industrial safety.	K4	1	16
12. a	Briefly explain the terms “Occupational Health” and “Hygiene” in industry.	K2	2	16
	Or			
b	Summarize the control methods and reduction strategies for noise, radiation, and excessive stress?	K2	2	16
13. a	Discuss the important of good housekeeping in Industrial safety.	K3	3	16
	Or			
b	Illustrate how proper work place design and colour coding improves the occupational safety.	K3	3	16
14. a	Explain the concepts of hazard and risk management with suitable examples for industry.	K2	4	16
	Or			
b	Explain the procedure for managing a major accident hazard and importance of onsite and offsite emergency plan.	K2	4	16
15. a	Summarize the role of education in Environmental Health and Safety Management?	K2	5	16
	Or			
b	Discuss the methods used for monitoring and implementation of EHS management system.	K2	5	16

