

THE KAVERY ENGINEERING COLLEGE*(An Autonomous Institution)***UG/PG DEGREE END SEMESTER THEORY EXAMINATIONS, APRIL-MAY 2026*****Second Semester******Construction Engineering Management*****PCNE2407- PROJECT SAFETY MANAGEMENT*****Regulations - 2024******Duration : 3 Hrs******Maximum : 100 Marks******PART – A(ANSWER ALL QUESTIONS) (Marks 10*2=20)***

Q.No	Questions	BLT	CO	Marks
1.	Classify the different types of human errors that commonly lead to construction site accidents.	L2	1	2
2.	Infer possible causes of an accident based on a given incident report.	L2	1	2
3.	Compare safety incentives and safety meetings in terms of their role in promoting workplace safety.	L2	2	2
4.	Summarize the benefits of implementing a structured safety program on a job site.	L2	2	2
5.	Define the term "safety record keeping.	L1	3	2
6.	Why is it important to address substance abuse on construction sites?	L1	3	2
7.	Why is workers' compensation important in the context of construction safety?	L1	4	2
8.	Label the different levels of management involved in construction site safety.	L1	4	2
9.	Classify the different responsibilities of owners and designers in ensuring construction site safety.	L2	5	2
10.	Infer the possible consequences of omitting safety clauses from the design documentation.	L2	5	2

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

Q.No	Questions	L	CO	Marks
11.	a i Explain the role of human behavior in contributing to occupational hazards in construction.	L2	1	8
	ii Extend the concept of safety hazard assessment by suggesting additional steps beyond standard procedures.	L2	1	8
	Or			
	b Explain how legal implications can affect a construction company after a serious workplace accident.	L2	1	16
12.	a Explain the key elements that make a safety program effective in the construction industry.	L2	2	16
	Or			
	b i Demonstrate the impact of regular safety assessments on reducing job-site hazards.	L2	2	8
	ii Outline the steps involved in conducting a job-site safety assessment.	L2	2	8
13.	a Explain the impact of substance abuse on construction site safety and worker performance.	L2	3	16

Or

	b	i	Illustrate with examples how safety clauses are integrated into construction contracts.	L2	3	8
		ii	Outline the key laws and acts that govern occupational safety and health in India.	L2	3	8
14.	a		Construct a flowchart showing how safety responsibilities are shared among top management, supervisors, and workers..	L3	4	16
Or						
	b	i	Model a communication strategy between safety personnel and middle managers for reporting safety violations.	L3	4	8
		ii	Select the appropriate safety measures to be implemented during a hazardous phase of a construction project.	L3	4	8
15.	a		Apply the principles of safety preparedness in drafting a basic safety plan for a new construction project.	L3	5	16
Or						
	b		Select appropriate design modifications that could reduce worker exposure to hazards during the execution phase.	L3	5	16
