

THE KAVERY ENGINEERING COLLEGE
(An Autonomous Institution)

M.E DEGREE END SEMESTER THEORY EXAMINATIONS, NOV/DEC 2025

Second Semester

Construction Engineering and Management

PCNE2407- Project Safety Management

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.	Define safety hazard assessment.	L1	1	2
2.	List the causes of accident in construction.	L1	1	2
3.	State the incentives to be allotted for safety programs.	L1	2	2
4.	List the principles of safety management.	L1	2	2
5.	State the objectives of occupational safety.	L1	3	2
6.	How do you keep safety records in industry?	L1	3	2
7.	List out the safety provisions in safety acts.	L1	4	2
8.	What do you understand safety culture?	L1	4	2
9.	State the role of designer in ensuring safety.	L1	5	2
10.	Define safety clause in design document.	L1	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 Explain about the safety in construction sites.	L2	1	8
	ii Discuss in detail about the costs of construction injuries.	L2	1	8
	Or			
	b i Discuss the steps in occupational risk assessment.	L2	1	8
	ii Explain the causes of accidents in construction sites.	L2	1	8
12.	a i Discuss about the areas which needs more construction safety.	L2	2	8
	ii Describe the safety incentive programs and explain its effectiveness in detail.	L2	2	8
	Or			
	b i Explain in detail how job site safety assessment is done.	L2	2	8
	ii Formulate the safety meeting procedure for standard industries.	L2	2	8

13.	a	i	Elaborately explain about the safety in construction contracts.	L2	3	8
		ii	Demonstrate the reasons a workplace looks at problematic substance use issues.	L3	3	8
Or						
	b	i	Discuss the importance of record keeping in safety management in project.	L3	3	8
		ii	Explain about the contract safety requirements in construction.	L2	3	8
14.	a	i	Explain the factors governing workers compensation.	L2	4	8
		ii	What are the safety procedures to be carried out at the construction sites?	L2	4	8
Or						
	b	i	Describe the responsibilities of engineers, individuals and managers to ensure safety in projects.	L3	4	8
		ii	Discuss in detail about the top management practices for company activities and safety.	L2	4	8
15.	a	i	Explain the owner's responsibilities for the safety.	L2	5	8
		ii	Demonstrate about the legal requirements for the health and safety file.	L3	5	8
Or						
	b	i	Determine the importance of owner's preparedness in detail.	L3	5	8
		ii	Explain about the key roles of designers in health and safety.	L2	5	8