

THE KAVERY ENGINEERING COLLEGE*(An Autonomous Institution)***M.E DEGREE END SEMESTER THEORY EXAMINATIONS, NOV/DEC 2025***First Semester**Construction Engineering and Management***PCNT2403 – Construction Equipment and 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>BTL</i>	<i>CO</i>	<i>Marks</i>
1.	What is equipment management?	L1	1	2
2.	How can one calculate the cost of construction equipment?	L1	1	2
3.	List the earthwork operations carried out in construction of a residential building.	L1	2	2
4.	Mention the functions of compacting equipment.	L1	2	2
5.	Show the applications of dredging equipment.	L2	3	2
6.	Suggest suitable dewatering equipment for shallow foundations.	L2	3	2
7.	Name the equipment's required for aggregate production in order.	L1	4	2
8.	Differentiate between tracked pavers and wheeled pavers.	L2	4	2
9.	State the importance of forklifts in material handling.	L2	5	2
10.	Identify the suitable industrial truck is used for stacking materials vertically.	L3	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 Explain the factors affecting selection of construction equipment for different types of projects.	L2	1	16
	Or			
	b Illustrate the different methods of calculating depreciation for construction equipment with suitable examples.	L2	1	16
12.	a Describe any four earth work equipment with neat sketch.	L2	2	16
	Or			
	b Summarize the working principle of a front-end loader and its role in material handling at a construction site.	L2	2	16
13.	a Develop the arrangement of drilling equipment for open cast excavation with neat sketch.	L3	3	16
	Or			
	b Identify the different types of demolition equipment's and mention one key application for each.	L3	3	16

14.	a	Analyze the factors affecting the efficiency of crushers and feeders in aggregate production and suggest methods to improve their performance.	L4	4	16
		Or			
	b	Examine the equipment's used for concrete pouring of tall structures.	L4	4	16
15.	a	Construct the functions of conveyors in construction sites and their improve workflow and reduce material transportation time.	L3	5	16
		Or			
	b	Organize the different types of cranes used in construction for material handling.	L3	5	16