

THE KAVERY ENGINEERING COLLEGE*(An Autonomous Institution)***M.E DEGREE END SEMESTER THEORY EXAMINATIONS, APRIL-MAY 2025***Second Semester**Construction Engineering and Management***CN4008 / PCNE2410 – Resource Management and Control in Construction***Regulations – 2021/2024***Duration : 3 Hrs.****Maximum : 100 Marks****PART – A (ANSWER ALL QUESTIONS) (Marks 10*2=20)**

Q. No	Questions	BLT	CO	Marks
1.	Define time management and cost control.	L1	1	2
2.	Distinguish between direct and indirect manpower.	L2	1	2
3.	How do you achieve labour management efficiently?	L2	2	2
4.	Define labour Schedule.	L1	2	2
5.	State the steps involved monitoring material delivery schedule.	L1	3	2
6.	What is meant by equipment handling?	L1	3	2
7.	What are the roles of management in cost control?	L1	4	2
8.	Differentiate between Cash flow and cost control.	L2	4	2
9.	Differentiate between resource allocation and resource levelling.	L2	5	2
10.	Mention any two uses of computer applications in resource management.	L2	5	2

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

Q. No	Questions	BLT	CO	Marks
11.	a Explain the steps involved in resource planning for a construction project.	L1	1	16
	Or			
	b What are the types of resources? Discuss in detail their planning with neat sketches.	L1	1	16
12.	a i What is a labour management and list different class of labour?	L2	2	8
	i Explain the systems approach and its role in effective labour utilization.	L2	2	8
	Or			
	b What are the tools required for the measurement of resources and	L2	2	16

how would you classify the labour and the process of labour schedule?

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| 13. | a | Analyze the material resources used in construction and write the sources, delivery and distribution of those materials. | L4 | 3 | 16 |
| | | Or | | | |
| | b | Analyze the factors affecting the selection of construction equipment with respect to cost, time, source, and handling. | L4 | 3 | 16 |
| 14. | a | Evaluate different forecasting techniques used in time and cost control. Which do you recommend for fast-track projects? | L5 | 4 | 16 |
| | | Or | | | |
| | b | Discuss cashflow and cost control with reference to time management. | L5 | 4 | 16 |
| 15. | a i | Discuss the role of computer applications in resource allocation and scheduling. | L3 | 5 | 8 |
| | i | | | | |
| | j | What is resource levelling? Explain with an example. | L3 | 5 | 8 |
| | | Or | | | |
| | b | Explain the concept of time-cost trade-off with a practical case scenario. How can it be optimized? | L3 | 5 | 16 |