Register No : ____________________

THE KAVERY ENGINEERING COLLEGE

(An Autonomous Institution)

UG/PG DEGREE END SEMESTER THEORY EXAMINATIONS, APRIL-MAY 2026

Second Semester

Construction Engineering and Management

PCNE2410– RESOURCE MANAGEMENT AND CONTROL IN CONSTRUCTION

Regulations - 2024

Duration: 3 Hrs ***Maximum: 100 Marks***

PART – A(ANSWER ALL QUESTIONS) (Marks 10*2=20)

Q.No	Questions	BLT	CO	Marks
1.	List out the factors that are used for a successful resource planning.	L1	1	2
2.	Define time management.	L1	1	2
3.	How do you achieve labour management efficiently?	L1	2	2
4.	What is meant by ‘cost of labour’?	L1	2	2
5.	State the steps involved monitoring material delivery schedule.	L2	3	2
6.	On what basis you will select the equipment for construction?	L2	3	2
7.	Mention the stages in project time monitoring.	L2	4	2
8.	Distinguish between CPM and PERT	L2	4	2
9.	List a few software’s available for resource management and control.	L1	5	2
10.	Write short notes on cumulative cost.	L2	5	2

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

Q.No		Questions	BLT	CO	Marks
11.	a	What are the types of resources? Discuss in detail their planning with suitable example.	L3	1	16
		Or			
	b	Enumerate the concept of cost control and its importance in minimizing the project cost.	L3	1	16
12.	a	Describe the system approach in labour resource planning and scheduling.	L2	2	16
		Or			
	b	What are the tools required for the measurement of resources and how would you classify the labour and the process of labour schedule?	L2	2	16
13.	a	Explain the ‘Material Provisioning Process’ with a typical example.	L3	3	16
		Or			
	b	List the various types of equipment’s used for construction. Write the stepwise procedure for planning and selection of equipment’s by optimistic choice with respect to cost.	L3	3	16

14.	a	Explain how you manage time efficiently when dealing with unexpected delays on a construction site.	L2	4	16
		Or			
	b	Explain cash flow and cost control with reference to time management.	L2	4	16
15.	a	Describe the process of resource allocation and how it impacts project outcomes.	L3	5	16
		Or			
	b	Discuss in detail about process of value management and its benefits in construction industry.	L3	5	16

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