Register No : _____

THE KAVERY ENGINEERING COLLEGE

(An Autonomous Institution)

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

First Semester

Construction Engineering and Management

PCNT2402 – Project Formulation and Appraisal

Regulations - 2024

Duration : 3 Hrs *Maximum : 100 Marks*

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

Q.No	*Questions*	*BTL*	*CO*	*Marks*
1.	Define capital investment.	L1	1	2
2.	List two key clearances required before commencing a detailed project report.	L1	1	2
3.	What is meant by replacement project bias in cash flow estimation?	L2	2	2
4.	State the difference between present value and future value of a single amount.	L2	2	2
5.	State the concept of Benefit Cost Ratio.	L2	3	2
6.	What is the payback period method of project appraisal?	L1	3	2
7.	Name two special financing schemes available from financial institutions for infrastructure.	L1	4	2
8.	Define key financial indicator and give one example.	L2	4	2
9.	Define private sector participation and its significance in infrastructure.	L2	5	2
10.	State one advantage and one limitation of BOOT arrangements.	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 preliminary market, technical, and financial analysis for project screening.	L3	1	16
		Or			
	b	Describe the detailed methodology for project identification and preparation of Detailed Project Report (DPR).	L3	1	16
12.	a	Analyze project cash flows principles for new projects and replacement projects, and discuss the various types and biases in cash flow estimation with suitable examples.	L4	2	16
		Or			
	b	Derive and explain time value of money concepts.	L4	2	16
13.	a	Evaluate and compare Net Present Value, Benefit Cost Ratio and Internal Rate of Return methods with detailed calculations and their applications in project selection.	L5	3	16
		Or			
	b	Critically analyze Indian versus international practices in investment appraisal with risk analysis techniques.	L5	3	16

14.	a	Examine the role and structure of major financial institutions in project financing.	L4	4	16
		Or			
	b	Compare financial cost benefit analysis with social cost benefit analysis in infrastructure projects.	L4	4	16
15.	a	Compare and contrast BOT, BOLT, and BOOT models in private sector participation for infrastructure development projects.	L5	5	16
		Or			
	b	Analyze the scope and challenges of technology transfer in foreign collaboration agreements.	L5	5	16