Register No : ________________

THE KAVERY ENGINEERING COLLEGE

(An Autonomous Institution)

M.E DEGREE END SEMESTER THEORY EXAMINATIONS, NOV /DEC 2024

First Semester

Construction Engineering and Management

PCNT2402 / CN4102 – Project Formulation and Appraisal

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 the term project with an example.	RE	1	2
2.	In preliminary analysis of a project, what do we consider as ecological part.	UN	1	2
3.	What are the types of cash flow?	RE	2	2
4.	Differentiate between the term present value and future value.	UN	2	2
5.	State any four reasons for doing project appraisal.	UN	3	2
6.	Mention the need for performing risk analysis in project listing two of its methods.	UN	3	2
7.	List any four different financial institutions that can finance a construction project.	RE	4	2
8.	What is cost-benefit analysis?	RE	4	2
9.	Mention two benefits of technology transfer.	UN	5	2
10.	What are the challenges in involving foreign collaboration in a major construction project?	RE	5	2

*PART – B (ANSWER ALL QUESTIONS) (Marks 5*13 = 65)*

Q.No			Questions	BLT	CO	Marks
11.	a		Explain how a construction project is analyzed for technical, financial and social considerations. Discuss briefly on each aspect.	UN	1	13
			Or			
	b		Discuss the different clearance required for a project along with agencies granting clearance and the stage in which it is to be given.	UN	1	13
12.	a		Discuss in detail the principles of cash flows in project.	UN	2	13
			Or			
	b	i	What is equity and state its importance in assessing a company's financial position?	UN	2	5
		ii	Explain time value of money with reference to its importance, influencing parameters and process of computation.	UN	2	8
13.	a		Explain NPV, IRR and ARR individually and discuss the difference between them. Mention their importance in making invest decisions for a company.	AN	3	13
			Or			
	b		Compare and explain Indian and international practices of appraisal for project investment.	AN	3	13

14.	a	Discuss the various key financial indicators used to access the financial viability of projects.	AP	4	13
		Or			
	b	Enumerate the objectives of Social Cost Benefit Analysis (SCBA) of projects. Discuss the stages in UNIDO approach of SCBA.	AP	4	13
15.	a	Explain BOT, BOOT and BOLT with reference to need, applicability and success rate for each them.	UN	5	13
		Or			
	b	Write a detailed note on technology transfer.	UN	5	13

*PART – C (Marks 1*15 = 15)*

Q.No		*Questions*	*BLT*	*CO*	*Marks*
16.	a	Prepare a detailed feasibility report for a multi-lane express way project between two major cities 350Km apart, which has to cross a river and a mountain. Consider technical, financial and environmental aspects.	AN	1	15
		Or			
	b	A multi-storeyed apartment project is envisaged on the outskirts of a metropolitan city. Perform a detailed risk analysis for the project.	AN	3	15