Register No : ____________________

THE KAVERY ENGINEERING COLLEGE

(An Autonomous Institution)

M.E DEGREE END SEMESTER THEORY EXAMINATIONS, APRIL-MAY 2025

First Semester

Construction Engineering and Management

CN4102 - Project Formulation and Appraisal

Regulations – 2021

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

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

Q.No	*Questions*	*BLT*	*CO*	*Marks*
1.	Define capital investment.	L1	1	2
2.	List two points to be considered in market analysis of projects.	L1	1	2
3.	What are the types of cash flow?	L1	2	2
4.	State the difference between the present value and the future value.	L1	2	2
5.	List any four types of investments available in India.	L1	3	2
6.	What is the need for performing risk analysis in project listing two of its methods?	L1	3	2
7.	What is cost-benefit analysis?	L1	4	2
8.	Compare the terms share capital and debenture capital with applicability of each.	L2	4	2
9.	Describe the two benefits of technology transfer.	L3	5	2
10.	What are the challenges in involving foreign collaboration in a major construction project?	L1	5	2

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

Q.No		*Questions*	*BLT*	*CO*	*Marks*
11.	a	Identify the sources of generating project ideas?	L3	1	16
		Or			
	b	Explain in detail about project estimates and the consequent techno-economic feasibility of a construction project.	L2	1	16
12.	a i	Explain time value of money with reference to its importance, influencing parameters and process of computation.	L2	2	8
	ii	Determine the present-day value. When the amount is compounded annually at 7% interest that would be worth 10,000, two years from now. What would be the value if it is compounded quarterly at the same rate of interest?	L3	2	8
		Or			

	b	Discuss in detail the principles of cash flows in project.	L2	2	16
13.	a	Explain NPV, IRR and ARR individually and discuss the differences between them. Mention their importance in making invest decision for a company.	L2	3	16
		Or			
	b	Compare and explain Indian and International practices of appraisal for project investment.	L4	3	16
14.	a	Distinguish the various options available for obtaining finance for starting and running a construction company.	L4	4	16
		Or			
	b	Explain in detail the objectives of social cost benefit analysis (SCBA) of projects. Discuss the stages in UNIDO approach of SCBA.	L2	4	16
15.	a	Choose any infrastructure sector, Write the need for using PPP in projects. Discuss the objectives, salient features, benefits and limitations of using PPP in projects.	L3	5	16
		Or			
	b	Explain in detail about technology transfer with proper examples?	L2	5	16