Register No : _____

THE KAVERY ENGINEERING COLLEGE

(An Autonomous Institution)

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

Seventh Semester

Agricultural Engineering

AI3023 – Landscape Architecture

Regulations - 2021

Duration : 3 Hrs *Maximum : 100 Marks*

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

Q.No	*Questions*	*BTL*	*CO*	*Marks*
1.	Define landscape zoning.	L1	1	2
2.	What is site suitability in landscape planning?	L1	1	2
3.	What is meant by landscape project formulation?	L1	2	2
4.	Write any two principles of garden-scale landscape design.	L1	2	2
5.	What is a site implementation checklist?	L1	3	2
6.	List any two types of hard landscape elements.	L1	3	2
7.	Define auxiliary fixtures in outdoor lighting.	L1	4	2
8.	Mention any two principles of design for outdoor illumination.	L2	4	2
9.	Name any two water features used in landscape design.	L1	5	2
10.	Define irrigation scheduling.	L1	5	2

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

Q.No		*Questions*	*BLT*	*CO*	*Marks*
11.	a	Explain the process of site analysis, synthesis, and suitability in landscape planning with examples.	L2	1	16
		Or			
	b	Explain the suitable landscape treatment for evolving an open space structure with considering ecological, functional, cultural, and visual contexts.	L2	1	16
12.	a	Describe the process of landscape project formulation and design development based on synthesis.	L3	2	16
		Or			
	b	Discuss in detail how humans occupy exterior space and how this knowledge is applied in garden-scale landscape design.	L3	2	16
13.	a	Describe the sequence of site activities and site protection measures in landscape projects.	L3	3	16
		Or			
	b	Describe the design and detailing of hard landscape elements such as roads, paving, barriers, and edge conditions with functional aspects and selection criteria.	L3	3	16

14.	a	Discuss in detail the types of outdoor electrical lighting, fixtures, and principles of design for illumination with safety considerations.	L4	4	16
		Or			
	b	Discuss the role of solar energy in outdoor lighting. Explain its advantages, drawbacks, and design applications.	L4	4	16
15.	a	Explain the design considerations and technical requirements of water features such as swimming pools, cascades, and fountains.	L3	5	16
		Or			
	b	Explain the design of irrigation systems in landscape areas with reference to water needs, sources, application methods, control systems, and maintenance.	L3	5	16