

# **SRM VALLIAMMAI ENGINEERING COLLEGE**

**(An Autonomous Institution)**

**SRM Nagar, Kattankulathur – 603 203**

**DEPARTMENT OF AGRICULTURAL ENGINEERING**

**QUESTION BANK**



**VI SEMESTER**

**PAG504 LANDSCAPE ARCHITECTURE  
Regulations – 2023**

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*Prepared by*

**Mr. T. R. BANU CHANDER  
ASSISTANT PROFESSOR  
DEPARTMENT OF AGRICULTURAL ENGINEERING**



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**SUBJECT CODE/NAME: LANDSCAPE ARCHITECTURE**

**SEM/YEAR: VI / III**

**UNIT I – INTRODUCTION TO LANDSCAPE ARCHITECTURE**

Ancient Indian traditions- siting of structures- complexes and cities – symbolic meanings and sacred value attributed to natural landscapes - Traditional landscapes such as ghats: gardens, kunds, sacred groves etc.  
Landscape in myth and poetry.

**PART A**

<b>Q.N O</b>	<b>QUESTIONS</b>	<b>BT LEVEL</b>	<b>COMPETENCE</b>
1.	Define landscape architecture.	BT-1	Remember
2.	What are land planning problems in landscape architecture?	BT-1	Remember
3.	What are the works involved in landscape architecture?	BT-1	Remember
4.	Write down the importance of landscape architecture.	BT-2	Understand
5.	What are key features exhibited in ancient Egypt architecture?	BT-1	Remember
6.	How the Persian landscaping were developed in ancient periods?	BT-1	Remember
7.	Define scale in landscape architecture.	BT-1	Remember
8.	Define unity.	BT-2	Understand
9.	What is proportion in landscape architecture?	BT-2	Understand
10.	List few traditional Indian gardens.	BT-2	Understand
11.	What are ghats?	BT-2	Understand
12.	List the important functions of ghats in Indian cities.	BT-2	Understand
13.	What is a kund?	BT-1	Remember
14.	State the purpose of water bodies in traditional landscapes.	BT-2	Understand
15.	What are sacred groves?	BT-1	Remember
16.	Mention any two ecological benefits of sacred groves.	BT-1	Remember
17.	What is meant by landscape symbolism?	BT-2	Understand
18.	Name any two ancient Indian cities known for planned landscapes.	BT-1	Remember
19.	What role did rivers play in the formation of ancient Indian settlements?	BT-2	Understand
20.	What is meant by cosmological planning in Indian architecture?	BT-1	Remember
21.	How is nature represented in Indian mythology?	BT-1	Remember
22.	Mention any two plants with religious significance in India.	BT-1	Remember
23.	What is the importance of axis and orientation in ancient Indian structures?	BT-2	Understand
24.	What is meant by traditional landscape elements?	BT-2	Understand
25.	What is the cultural significance of temple complexes?	BT-1	Remember

**PART B**

1.	Explain the ancient Indian traditions of landscape architecture with suitable examples.	BT-1	Remember
2.	Describe the principles of siting of structures followed in ancient Indian architecture.	BT-1	Remember
3.	Discuss the planning of ancient Indian cities with reference to landscape and natural features.	BT-2	Understand
4.	Explain the symbolic meanings and sacred values attributed to natural landscapes in India.	BT-1	Remember
5.	Write an essay on traditional Indian landscapes, highlighting ghats, gardens, kunds, and sacred groves.	BT-1	Remember
6.	Describe the role of rivers and water bodies in shaping ancient Indian landscapes.	BT-1	Remember
7.	Discuss the religious and cultural significance of ghats in Indian landscape traditions.	BT-1	Remember
8.	Explain the design, purpose, and cultural importance of kunds and tanks in traditional landscapes.	BT-1	Remember
9.	Write detailed notes on sacred groves and their role in ecological conservation and spirituality.	BT-1	Remember
10.	Discuss how mythology has influenced landscape planning in ancient India.	BT-1	Remember
11.	Explain the representation of landscape elements in Indian poetry and literature.	BT-1	Remember
12.	Describe the relationship between nature and built form in ancient Indian temple complexes.	BT-1	Remember
13.	Explain the concept of cosmology and symbolism in Indian landscape planning.	BT-1	Remember
14.	Discuss the importance of orientation, axis, and geometry in ancient Indian landscapes.	BT-1	Remember
15.	Compare traditional Indian gardens with reference to philosophy, layout, and elements.	BT-1	Remember
16.	Explain how natural landscapes were integrated into urban planning in ancient India.	BT-1	Remember
17.	Discuss the continuity of ancient Indian landscape traditions in present-day practices.	BT-1	Remember
18.	Illustrate with examples how landscape architecture reflects Indian culture, religion, and philosophy.	BT-1	Remember

## UNIT- II PRINCIPLES AND ELEMENTS IN LANDSCAPE ARCHITECTURE

Principles and elements of landscape designs- Components and features of landscaping - Plant components- Components and features of landscaping – non-plant components-Significance of trees in landscaping- Significance of shrubs in landscaping- Layout of special types of gardens

### PART A

Q.N O	QUESTIONS	BT LEVE L	COMPETEN CE
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1.	Define landscape architecture.	BT-1	Remember
2.	What is meant by landscape design?	BT-2	Understand
3.	List any two principles of landscape design.	BT-1	Remember
4.	Define unity in landscape design.	BT-1	Remember
5.	What is meant by balance in landscaping?	BT-1	Remember
6.	Define proportion in landscape architecture.	BT-2	Understand
7.	What is meant by rhythm in landscape design?	BT-1	Remember
8.	Define emphasis.	BT-1	Remember
9.	What are elements of landscape design?	BT-2	Understand
10.	Name any two elements of landscape design.	BT-1	Remember
11.	What are plant components in landscaping?	BT-2	Understand
12.	List any two types of trees used in landscaping.	BT-2	Understand
13.	What is meant by shrubs?	BT-2	Understand
14.	State two uses of shrubs in landscaping.	BT-1	Remember
15.	What are non-plant components in landscaping?	BT-1	Remember
16.	Name thenon-plant landscape features.	BT-1	Remember
17.	What is meant by hard landscape?	BT-2	Understand
18.	Define soft landscape.	BT-1	Remember
19.	State the significance of trees in landscaping.	BT-1	Remember
20.	List any two advantages of shrubs in landscape design.	BT-1	Remember
21.	What is meant by special types of gardens?	BT-1	Remember
22.	Name the special types of gardens.	BT-2	Understand
23.	Define theme garden.	BT-1	Remember
24.	What is meant by avenue planting?	BT-2	Understand
25.	State two objectives of landscape planning.	BT-1	Remember

**PART B**

1.	Explain the principles of landscape design with suitable examples.	BT-1	Remember
2.	Describe the elements of landscape design and their applications.	BT-2	Understand
3.	Discuss the components and features of landscaping.	BT-2	Understand
4.	Explain the role of plant components in landscape architecture.	BT-3	Apply
5.	Describe the non-plant components used in landscaping.	BT-3	Apply
6.	Discuss the significance of trees in landscape design.	BT-3	Apply
7.	Explain the importance and uses of shrubs in landscaping.	BT-3	Apply
8.	Describe the selection criteria of trees and shrubs for landscape use.	BT-4	Analyze
9.	Explain the concept and layout of special types of gardens.	BT-3	Apply
10.	Discuss the planning and design considerations for special gardens.	BT-3	Apply

11.	Explain the relationship between principles and elements in landscaping.	BT-3	Apply
12.	Describe the aesthetic and functional roles of landscaping components.	BT-3	Apply
13.	Discuss the importance of balance, unity and proportion in landscape architecture.	BT-3	Apply
14.	Explain the use of plant and non-plant components in public landscapes.	BT-3	Apply
15.	Describe the layout of any two special types of gardens.	BT-3	Apply
16.	Discuss the environmental benefits of trees and shrubs in landscaping.	BT-4	Analyze
17.	Explain the importance of landscape architecture in urban planning.	BT-3	Apply
18.	Discuss the recent trends in landscape architecture.	BT-4	Analyze

### UNIT- III LANDSCAPE GARDENING

Types of vertical greening system- Nursery management of ornamental plants and designs of garden - Elements Propagation of ornamental plants- Graphics and symbols in landscape gardening- Layout of rock garden and gravel garden- Roof gardening- Paved Garden- Tools and implements used in landscape design & Marsh or Bog Garden

#### PART A

Q.N O	QUESTIONS	BT LEVE L	COMPETEN CE
1.	Define landscape gardening.	BT-1	Remember
2.	What is meant by vertical greening system?	BT-2	Understand
3.	Name any two types of vertical greening systems.	BT-2	Understand
4.	What is a green wall?	BT-1	Remember
5.	Define nursery management.	BT-1	Remember
6.	State two objectives of ornamental plant nursery.	BT-1	Remember
7.	What is meant by garden design?	BT-1	Remember
8.	List any two elements of garden design.	BT-2	Understand
9.	Define ornamental plants.	BT-2	Understand
10.	What is meant by plant propagation?	BT-2	Understand
11.	Name any two methods of propagation of ornamental plants.	BT-2	Understand
12.	What are graphics and symbols in landscape gardening?	BT-1	Remember
13.	State the use of symbols in landscape plans.	BT-2	Understand
14.	What is a rock garden?	BT-2	Understand
15.	Define gravel garden.	BT-2	Understand
16.	What is meant by roof gardening?	BT-2	Understand
17.	List two advantages of roof gardening.	BT-2	Understand
18.	What is a paved garden?	BT-1	Remember

19.	Define hard landscape.	BT-2	Understand
20.	What are the tools used in landscape gardening?	BT-1	Remember
21.	What is meant by implements in landscaping?	BT-2	Understand
22.	Define marsh or bog garden.	BT-1	Remember
23.	Name few plants suitable for bog gardens.	BT-1	Remember
24.	What is meant by soft landscape?	BT-2	Understand
25.	State the benefits of landscape gardening	BT-1	Remember

**PART B**

1.	Explain the concept and importance of landscape gardening.	BT-2	Understand
2.	Describe the types of vertical greening systems with suitable examples.	BT-2	Understand
3.	Explain the principles and practices of nursery management of ornamental plants.	BT-2	Understand
4.	Discuss the elements and principles of garden design.	BT-2	Understand
5.	Explain the methods of propagation of ornamental plants.	BT-2	Understand
6.	Describe the use of graphics and symbols in landscape gardening.	BT-2	Understand
7.	Explain the layout and features of a rock garden.	BT-2	Understand
8.	Discuss the design and layout of a gravel garden.	BT-2	Understand
9.	Explain the concept, design and advantages of roof gardening.	BT-2	Understand
10.	Describe the planning and development of a paved garden.	BT-2	Understand
11.	Discuss the tools and implements used in landscape design.	BT-2	Understand
12.	Explain the concept and layout of a marsh or bog garden.	BT-2	Understand
13.	Compare rock garden and gravel garden.	BT-3	Analyze
14.	Discuss the role of nursery management in successful landscaping.	BT-2	Understand
15.	Explain the importance of vertical greening in urban landscaping.	BT-2	Understand
16.	Describe the plant selection and maintenance practices in roof gardens.	BT-2	Understand
17.	Explain the importance of graphics and symbols in landscape planning.	BT-2	Understand
18.	Discuss the environmental and aesthetic benefits of landscape gardening.	BT-2	Understand

**UNIT- IV LAYOUT OF GARDENING AND GREENHOUSE**

Layout of different styles of gardens & Landscaping of places of public importance - Layout of informal gardens & Gardening of public places - Layout of formal types of gardens & designing of greenhouse, conservatory and Lathe house – Lawn and lawn making & Hanging containers - TERRARIUM requirement and Maintenance & Bonsai making- Fresh flower arrangements, Dry flower technology & Dry flower arrangement Interiorscaping & Establishment and maintenance of lawns.

**PART A**

Q.NO	QUESTIONS	BT LEVE L	COMPETEN CE
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1.	Define garden layout.	BT-1	Remember
2.	What is meant by landscaping?	BT-2	Understand
3.	Name any two styles of gardens.	BT-2	Understand
4.	What is an informal garden?	BT-2	Understand
5.	What is a formal garden?	BT-2	Understand
6.	State two features of formal gardens.	BT-2	Understand
7.	Define public garden.	BT-1	Remember
8.	What is meant by gardening of public places?	BT-1	Remember
9.	Define greenhouse.	BT-1	Remember
10.	What is a conservatory?	BT-1	Remember
11.	Define lath (lathe) house.	BT-1	Remember
12.	What is meant by lawn?	BT-1	Remember
13.	Name any two methods of lawn making.	BT-1	Remember
14.	Define hanging containers.	BT-2	Understand
15.	What is a terrarium?	BT-2	Understand
16.	List any two requirements for terrarium preparation.	BT-2	Understand
17.	Define bonsai.	BT-1	Remember
18.	What is meant by fresh flower arrangement?	BT-2	Understand
19.	Define dry flower technology.	BT-1	Remember
20.	What is a dry flower arrangement?	BT-2	Understand
21.	Define interiorscaping.	BT-1	Remember
22.	Name the plants suitable for interiorscaping.	BT-1	Remember
23.	What is meant by lawn establishment?	BT-2	Understand
24.	Define lawn maintenance.	BT-1	Remember
25.	State the objectives of garden designing.	BT-1	Remember

**PART B**

1.	Explain the principles involved in layout of different styles of gardens.	BT-2	Understand
2.	Describe the layout and features of formal gardens with suitable examples.	BT-2	Understand
3.	Explain the layout and characteristics of informal gardens.	BT-2	Understand
4.	Discuss the landscaping of places of public importance such as parks and institutions.	BT-2	Understand
5.	Explain the planning and gardening of public places.	BT-2	Understand
6.	Describe the design and construction of a greenhouse.	BT-2	Understand
7.	Explain the structure and uses of conservatory and lath house.	BT-2	Understand
8.	Discuss the importance of greenhouse structures in modern gardening.	BT-2	Understand

9.	Explain the methods of lawn making and lawn establishment.	BT-2	Understand
10.	Describe the maintenance practices of lawns.	BT-2	Understand
11.	Explain the use of hanging containers in garden design and interiors.	BT-2	Understand
12.	Describe the requirements, preparation and maintenance of terrarium.	BT-2	Understand
13.	Explain the principles and steps involved in bonsai making.	BT-2	Understand
14.	Discuss the methods of fresh flower arrangement and their importance.	BT-2	Understand
15.	Explain the technology involved in dry flower preparation.	BT-2	Understand
16.	Describe the methods of dry flower arrangement for decorative purposes.	BT-2	Understand
17.	Explain the concept, importance and components of interiorscaping.	BT-2	Understand
18.	Discuss the role of gardening and landscaping in environmental improvement.	BT-2	Understand

### UNIT- V LANDSCAPE ECOLOGY

Introduction to landscape ecology formation of various landforms and landscape process pattern and structure of landscapes concepts of patch, corridor and matrix landscape dynamics and function topological and chorological process within landscape

#### PART A

Q.N O	QUESTIONS	BT LEVE L	COMPETEN CE
1.	Define Landscape Ecology.	BT-1	Remember
2.	What is meant by a landscape?	BT-1	Remember
3.	Define landform.	BT-2	Understand
4.	What are geomorphic processes?	BT-2	Understand
5.	List any two factors responsible for landform formation.	BT-1	Remember
6.	What is a landscape process?	BT-2	Understand
7.	Define landscape pattern.	BT-1	Remember
8.	What is meant by landscape structure?	BT-2	Understand
9.	Define patch in landscape ecology.	BT-1	Remember
10.	What is a corridor?	BT-2	Understand
11.	Define matrix in a landscape.	BT-2	Understand
12.	Give two examples of landscape patches.	BT-1	Remember
13.	State the ecological role of corridors.	BT-1	Remember
14.	What is landscape heterogeneity?	BT-2	Understand
15.	Define landscape dynamics.	BT-1	Remember
16.	What is meant by landscape function?	BT-1	Remember
17.	Define topological process in landscapes.	BT-3	Apply
18.	Define chorological process.	BT-3	Apply
19.	Differentiate between patch and matrix (any one point).	BT-2	Understand
20.	What is spatial arrangement in landscapes?	BT-2	Understand
21.	Mention any two natural landforms.	BT-2	Understand
22.	What is disturbance in landscape ecology?	BT-1	Remember

23.	What is meant by connectivity in landscapes?	BT-3	Apply
24.	Define fragmentation.	BT-2	Understand
25.	List the applications of landscape ecology.	BT-2	Understand
<b>PART B</b>			
1.	Explain the scope and significance of landscape ecology in environmental planning.	BT-1	Remember
2.	Describe the formation of various landforms with suitable examples.	BT-1	Remember
3.	Explain the relationship between landforms and landscape processes.	BT-2	Understand
4.	Discuss in detail the pattern and structure of landscapes.	BT-2	Understand
5.	Explain the patch–corridor–matrix model with neat sketches.	BT-2	Understand
6.	Describe the ecological significance of patches, corridors, and matrix.	BT-2	Understand
7.	Explain landscape dynamics and the factors influencing it.	BT-2	Understand
8.	Discuss the functional aspects of landscapes in ecological systems.	BT-2	Understand
9.	Explain the topological processes within a landscape.	BT-2	Understand
10.	Describe chorological processes and their role in landscape evolution.	BT-2	Understand
11.	Discuss the spatial and temporal scales in landscape ecology.	BT-2	Understand
12.	Explain the impact of natural processes on landscape structure.	BT-2	Understand
13.	Discuss the role of human activities in landscape modification.	BT-2	Understand
14.	Explain landscape connectivity and fragmentation in detail.	BT-2	Understand
15.	Describe the interaction between landforms, processes, and patterns in landscapes.	BT-2	Understand
16.	Discuss the applications of landscape ecology in land-use planning and conservation.	BT-2	Understand
17.	Explain the landscape ecological approach to sustainable development.	BT-2	Understand
18.	Describe the integration of topological and chorological processes in landscape functioning.	BT-2	Understand