

31281- LANDSCAPE DESIGN AND DETAILING

DETAIL SYLLABUS

UNIT- I INTRODUCTION TO LANDSCAPE ARCHITECTURE

1.1. HISTORY OF LANDSCAPE ARCHITECTURE: Salient features of Italian garden, Japanese Garden, English garden & Mughal garden with one example each.

1.2. COMPONENTS OF LANDSCAPE: Climate, Light, Water, Soil, Plant Ecology.

UNIT- II SITE SURVEY AND ANALYSIS

2.1. LOCATION & TYPE OF SITE BOUNDARIES: Local Climate, Topography, Geology & Soils, Water & Drainage, Access & Circulation, Surrounding Land use, Existing vegetation, Existing buildings/Structures/Historic features, Services, Views from within and without.

UNIT- III SOFT LANDSCAPE

3.1. TYPES OF PLANTS: Trees, Shrubs & Hedges, Climbers & Wall shrubs, Ground covers, Herbaceous plants & Shrubs, Grasses.

3.2. PLANT SELECTION CRITERIA: Form, Texture, Colour, Scent, Sound

UNIT IV HARD LANDSCAPE

4.1. SITE FURNITURE: Seating, Shelter, Convenience elements, Information, Lighting, Traffic control & Protection, Utilities, Seasonal elements & Special features.

4.2. RECREATIONAL & ATHLETIC FACILITIES: Basic dimensions of Court games, Track & Field and Swimming pools

4.3. FOUNTAINS & POOLS: Purpose of water display, Types of water effects, Operating systems

4.4. OUTDOOR LIGHTING: General design principles, Lamp characteristics, Light Distribution, Categories of light fixtures, Landscape lighting effects.

UNIT V INDOOR LANDSCAPE

5.1. PHYSICAL REQUIREMENTS OF PLANTS: Light, Temperature, Humidity & Air quality, Water, Planting medium, Space, Weight and Maintenance.

5.2. CHARACTERS OF INTERIOR PLANTS: Size, Growth Habit, Texture, Colour. List of commonly used indoor plants and their characters. Advantages and Disadvantages of Terrace Gardening.

5.3 SUSTAINABLE LANDSCAPE DESIGN – introduction – Need – overview – case study

REFERENCES

1. Time-Savers Standards for Landscape Architecture:
2. Harris & Dines Landscape Design Guide, Volume1,
3. Soft Landscape: Adrian Lisney & Ken Field house.