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HORT-311 Landscaping 3(2+1)

Theory

Importance and scope of landscaping. Principles of landscaping, garden styles and types, terrace gardening, vertical gardening, garden components, adornments, rockery, water garden, walk-paths, bridges, other constructed features etc. gardens for special purposes. Trees: selection, propagation, planting schemes, canopy management, shrubs and herbaceous perennials: selection, propagation, planting schemes, architecture. Climber and creepers: importance, selection, propagation, planting, Annuals: selection, propagation, planting scheme, Other garden plants: palms, ferns, grasses and cacti succulents and shade loving plants. Pot plants: selection, arrangement, management. Bio-aesthetic planning: definition, need, planning; landscaping of urban and rural areas, Peri-urban landscaping (roof garden), Landscaping of schools, public places like bus station, railway station, townships, river banks, hospitals, play grounds, airports, industries, institutions. Bonsai: principles and management, lawn: establishment and maintenance. CAD application.

Practical

Identification of trees, shrubs, annuals, pot plants; Propagation of trees, shrubs and annuals, care and maintenance of plants, shrubs and trees, potting and repotting, identification of tools and implements used in landscape design, training and pruning of plants for special effects, lawn establishment and maintenance, layout of formal gardens, informal gardens, special type of gardens (sunken garden, terrace garden, rock garden) and designing of conservatory and lath house. Use of computer software, visit to important gardens/ parks/ institutes.

Lecture schedule: Theory

S.N.	Topics	No.of lectures
1.	Importance and scope of landscaping	1
2.	Principles of landscaping	2
3.	Garden styles and types	3
4.	Terrace gardening	1
5.	Vertical gardening	1
6.	Garden components	1
7.	Garden adornments	1

8.	Rockery	1
9.	Water garden	1
10.	Walk-paths, bridges, other constructed features etc. gardens for special purposes	1
11.	Trees: selection, propagation, planting schemes, canopy management	1
12.	Shrubs and herbaceous perennials: selection, propagation, planting schemes, architecture	1
13.	Climber and creepers: importance, selection, propagation, planting	1
14.	Annuals: selection, propagation, planting scheme	1
15.	Other garden plants: palms, ferns, grasses, cacti succulents and shade loving plants	2
16.	Pot plants: selection, arrangement, management	1
17.	Bio-aesthetic planning: definition, need, planning	2
18.	Landscaping of urban and rural areas	1
19.	Peri-urban landscaping (roof garden)	1
20.	Landscaping of schools, public places like bus station, railway station, townships, river banks, hospitals, play grounds, airports, industries, institutions	2
21.	Bonsai: principles and management	2
22.	Lawn: establishment and maintenance	2
23.	CAD application	2

Lecture schedule: Practical

S.N.	Topics	No.of lectures
1.	Identification of trees, shrubs, annuals, pot plants	2
2.	Identification of tools and implements used in landscape design	1
3.	Propagation of trees, shrubs and annuals	2
4.	Care and maintenance of plants, shrubs and trees	1
5.	Potting and repotting	1
6.	Training and pruning of plants for special effects	1
7.	Lawn establishment and maintenance	1
8.	Layout of formal gardens	1
9.	Layout of informal gardens	1
10.	Layout of special type of gardens (sunken garden, terrace garden, rock garden)	2

11.	Designing of conservatory and lath house	1
12.	Use of computer software	1
13.	Visit to important gardens/ parks/ institutes	1

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