

GUJARAT TECHNOLOGICAL UNIVERSITY
Landscape Planning and Design
SUBJECT CODE: 1055504
B.PLAN 5th SEMESTER

Prerequisite: 4th Semester Planning

Aim: To Study various Legislations related to Urban and Regional Planning.

Objective:

1. To understand the basic Concept of Law and Indian Constitution.
2. To understand the Roles, Responsibilities of various Plan Preparation and Implementation Authorities / Agencies.

Teaching and Examination Scheme:

Teaching Scheme			Credits C	Examination Marks				Total Marks
L	T	P		Theory Marks		Practical Marks		
				ESE (E)	PA (M)	ESE (V)	PA(I)	
2	0	0	2	50	50			100

L- Lectures; T- Tutorial/Teacher Guided Student Activity/Field work; P- Practical; C- Credit; ESE- End Semester Examination; PA- Progressive Assessment.

Content:

Sr. No.	Content	Total Hrs
Unit -1	Landscape Elements Landscape as an outcome of natural processes; principles and techniques of design with landform, water and vegetation;	6
Unit -2	Urban Landscape Characteristics and components of open space patterns in towns and cities (traditional and contemporary) basic types: streets, squares, plazas, gardens, <i>ghats</i> and <i>maidans</i> , public parks at district, local and neighborhood levels; park systems; landscape design related to land-use, circulation networks and activity; street furniture as a component of urban landscape.	8
Unit - 3	Landscape Aspects of Site Planning -I Principles of understanding and evaluating and existing landscape; development as a response to constraints and opportunities offered by the site; the landscape concept and open space structure as a basic component of the site plan	4
Unit - 4	Landscape Aspects of Site Planning -II The role of vegetation: environmental benefits, functional requirements, aesthetic considerations; typical situations and criteria for design with plants and selection of species; grading; in relation to existing contours, plinth levels, road alignment and storm water drainage; principles of cut and fill.	6
Unit - 5	Elements of Landscape Planning The rural landscape; characteristics, components and change related to agriculture, forestry and development; western experience of landscape	8

	planning; landscape assessment techniques; the concept of landscape quality; landscape planning as a component of regional development proposals for industrial location (manufacturing and extractive); environmental conservation, tourism, etc.; landscape planning in the context of urban extensions and new towns; Introduction to landscape ecology, cultural landscapes.	
	Total Hrs	48

Text / Reference Books:

S. No.	Name of Authors	Titles of the Book	Edition	Name of the Publisher
1.	Geoffrey Alan Jellicoe, Susan Jellicoe	The landscape of man: shaping the environment from prehistory to the present day	Illustrated Edition	Viking Press
2.	William M. Marsh	Landscape Planning: Environmental Applications	5 th Edition	John Wiley & Sons
3.	John O. Simonds	Landscape Architecture: A Manual of Site Planning and Design	New/latest Edition	Mcgraw-hill Professional
4.	Wenche E. Dramstad, David M. Gillilan, James D. Olson	Landscape Ecology Principles in Landscape Architecture and Land-Use Planning	New/latest Edition	Island Press
5.	Norman K. Booth	Basic elements of landscape architectural design	illustrated, reprint	Elsevier

List of Exercises / Practicals:

1.	Visit to the Office of Landscape Architect / Urban Designer and submit Report.
List of Assignments/Tests :	
1	Test on Unit 1 and Unit 2.
2	Case study based Assignment on Unit 4 or Unit 5.