

**TOWN AND COUNTRY PLANNING**  
**(POST DIPLOMA STANDARD)**

**SUBJECT CODE: 325**

**UNIT – I: HISTORY OF HUMAN SETTLEMENTS**

Early human settlements, Town building during Indus valley civilization – Town building practices during ancient Greek and Roman period – Town building practices during Medieval and Renaissance periods – Effect of Industrial Revolution on planning of cities – Planning concepts of E.Howard, Patric Geddes, C.A.Perry.

**UNIT – II: PLANNING PRINCIPLES**

Principles of Town Planning – Green belt, Housing, Public Buildings, Recreational Spaces, Transportation, Zoning. Scope and Content of Master Plan, Land use Plan – Geographical study of Regional Landuses and distribution of Settlements – Elements of Regional planning, Regional Delineation, Rural Development.

**UNIT – III: STATISTICS & COMPUTER ORIENTATION**

Central Tendency computation – Sampling and Diagram – Computer Aided Drawing – Computer Application in Data Analysis – Population forecasting - Use of Computers in Planning.

**UNIT – IV: SOCIO-ECONOMIC ASPECTS OF PLANNING**

Basic concept & Scope of Study – Urbanization & Ecological theories – Social Issues in urban area – Housing Redevelopment – Citizen participation.

Economic Operation – Project Appraisal – Urbanization & National Housing policy – Economics of Urban Growth.

**UNIT – V: PLANNING PRACTICE**

Regional Plan concepts and studies – Masterplan concept and surveys – Masterplan needs and plan formulation – Urban Renewal, Redevelopment, Rehabilitation, Conservation – New Town - Detailed Development Plan - Development Regulations.

## **UNIT – VI: PLANNING LEGISLATION AND ADMINISTRATION**

Evolution of Planning Legislation - Planning System in U.K., The Tamil Nadu Town and Country Planning Act 1971, Coastal Regulation Zone and Tamil Nadu District Municipalities Building Rules – Hill Area Conservation – Planning related Acts.

## **UNIT – VII: ARCHITECTURE AND LANDSCAPE ARCHITECTURE**

Introduction to Architecture. Principle of Aesthetics – Proportion, Scale, Balance, Rhythm, Hierarchy, Axis etc., – Study of Architectural spaces – Townscape Elements – Landscape Elements – Role of Landscape Architect and the importance of Environmental Protection – Landscaping the Public Areas, Commonly used Plants and Trees in Landscape.

## **UNIT – VIII: TRAFFIC AND TRANSPORTATION**

Transportation systems – Urban Roads Classification – Traffic Regulations - Traffic Signs and Traffic Markings – Traffic Intersections at Grade-Traffic Intersections Grade Separated Parking & Street Light Facilities, Parking Standards – Railways Airways and Waterways Terminal Facilities Location Aspects – Layouts – Urban Transportation Planning Process-Surveys and Studies – Urban Transportation Planning Process – Forecasting and Plan Formulation.

## **UNIT – IX: PARKS, PLAY GROUNDS AND OPEN SPACES**

General, Types of Recreation, Location of Urban Green Spaces, Classification of Parks, Park Design, Financing Parks, Play area and its types.

## **UNIT – X: REMOTE SENSING**

Geometry of Aerial Photographs – Image characteristics and their significance – Mapping by Manual and Mechanical Methods – Use of Satellites, Aerial Photographs, Drones in Physical Planning.

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