

TAMIL NADU PUBLIC SERVICE COMMISSION
SYLLABUS

TOWN AND COUNTRY PLANNING
(POST DIPLOMA STANDARD)

CODE: 454

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 APPLICATIONS

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 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: 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 – Forecasting and Plan Formulation.

UNIT-IX: PARKS, PLAY GROUNDS AND OPEN SPACES

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

UNIT-X: REMOTE SENSING

Applications of GPS, GIS and Total Station - Geometry of Aerial Photographs - Image characteristics and their significance - Mapping by Manual and Mechanical Methods - Use of Satellites, Aerial Photographs, Drones in Physical Planning.

Dated: 23.12.2024