

TAMIL NADU PUBLIC SERVICE COMMISSION

SYLLABUS

CODE NO.157

TOWN AND COUNTRY PLANNING (POST DIPLOMA STANDARD)

UNIT – I HISTORY OF HUMAN SETTLEMENTS

Early human settlements, Town building during River valleys 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 – Modern planning concepts.

UNIT – II PLANNING PRINCIPLES

Introductory Aspects of Town and Country Planning and Basic Term – Residential area Planning – Nonresidential Landuse area planning – Geographical study of regional Landuses and distribution of settlements – Element of Regional planning and Rural Development.

UNIT – III STATISTICS & COMPUTER ORIENTATION

Central Tendency computation – Sampling and Diagram – Computer Aided Drawing – Computer Application in Data Analysis – Population forecasting.

UNIT – IV PLANNING ECONOMICS

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

UNIT – V PLANNING SOCIOLOGY

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

UNIT – VI PLANNING PRACTICE

Regional Plan concepts and studies – Masterplan concept and surveys – Masterplan needs and plan formulation – Soning and Urban Renewal – Detailed area Development Plan.

UNIT – VII PLANNING LEGISLATION AND ADMINISTRATION

Town & Country Planning Acts in Britain - Evolution of Planning Legislation – Town and Country Planning Code in Tamil Nadu – Building Regulations and Development Control – Planning related acts.

UNIT – VIII ARCHITECTURE AND LANDSCAPE ARCHITECTURE

Architecture an Introduction – Essentials in Architectural buildings – Principle of presentation – Study of Architectural spaces – Townscape Elements – Fundamentals of Landscape Architecture – Role of Landscape Architect and the importance of Environmental Protection – Components of Landscape plant materials – Components of landscape water and other man-made items – Design Principles.

UNIT – IX TRAFFIC AND TRANSPORTATION

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

UNIT – X REMOTE SENSING

Geometry of Aerial Photographs – Image characteristics and their significance – Mapping by Manual and Mechanical Methods – Application to Physical Planning.