

COURSE TITLE : TOWN PLANNING
COURSE CODE : 4003
COURSE CATEGORY : A
PERIODS/WEEK : 5
PERIODS/SEMESTER : 90
CREDITS : 4

TIME SCHEDULE

MODULE	TOPIC	PERIODS
I	Town planning – principles, Zoning	19
	Test I	1
II	Road and street planning	24
	Test II	1
III	Housing Parks and open spaces	24
	Test III	1
IV	Town planning rules and building bye laws Master plan	19
	Test IV	1
	TOTAL	90

OBJECTIVES

MODULE I

1.0 Understand town planning and its principles.

- 1.1 Understand aims, principles and objects of town planning
- 1.2 Understand origin and growth of town
- 1.3 Understand. stages in town development
- 1.4 Understand neighborhood unit, it's planning and features
- 1.5 Differentiate zone, its uses and types
- 1.6 Specify density variables and its calculation

MODULE II

2.0 Understand Road and street planning

- 2.1 Understand principles and planning techniques of Road and street layouts.
- 2.2 Develop details of road junctions
- 2.3 Differentiate regional road and arterial roads.
- 2.4 Understand different aspects of traffic management

MODULE III

3.0 Understand housing policies

- 3.1 Understand housing policies and programmes in India
- 3.2 Evaluate various housing agencies and their operations

- 3.3 State detail of slum and slum clearance
- 3.4 Understand the importance of parks and open spaces

MODULE IV

4.0 Know town planning rules

- 4.1 State the necessity of framing bye-laws for urban development and principles involved
- 4.2 Evaluate local bye laws
- 4.3 Evaluate the bye laws published in National Building Code for comparison with local bye laws
- 4.4 Define master plan
- 4.5 Understand planning principles of Chandigarh and Gandhinagar city.

COURSE CONTENT

MODULE-1

Principles, necessity and objectives of Town planning, its Representation, origin and growth of town-natural and planned-horizontal and vertical-stages in town development – define city, district unit, Municipality, neighborhood unit – distribution of land uses-zoning – objects and Principles-advantage- classification – use zones, height zones and density zones – density – net and gross – local density – calculation.

MODULE-1I

Urban roads- objects-Planning principles-classification of urban roads-through and bye-pass roads-outer and inner roads-expressways-freeways-types of street systems-precinct-traffic management- objects-traffic congestion- traffic control- road junctions Planning principles-classification of junctions –parking- traffic capacity of roads - problems-causes of accidents-traffic signals-signs-markings-lighting

MODULE-1II

Importance of Housing-requirements of residential buildings- classification- design aspects-Housing agencies, Housing finance-HUDCO- Policies and programmes in India – slum –causes-characteristics-effects- slum clearance-prevention

Parks and play grounds- classification –park systems- park design- parkways-boulevards- play grounds

MODULE-1V

Importance of framing building bye-laws-objects – function of local authority-study of KBR, compare bye – laws published in National building Code Applying building bye-laws in the design and layout of buildings referring KBR and NBC and local bodies-, preparation plan for submission of to local body

Master plan -objects –necessity-features-drawings to be prepared

principles and techniques of planning roads, streets and other service lane Chandigarh and Gandinagar city.

REFERENCE BOOKS

1. Town Planning – Rangwala
2. Architecture of towns and cities – Paul.D.Spreiregeh – Published by McGrawHill, U.S.A
3. The city of tomorrow and its planning – Le Corbusier – Architectural Press, London.