

Course Code	Course Name	L-T-P-Credits	Year of Introduction
CE462	TOWN AND COUNTRY PLANNING	3-0-0-3	2016

**Prerequisite : Nil**

**Course Objective:**

- To expose various levels of planning, the elements involved in urban and regional planning and their interrelationships
- To learn to draw up a town development plan.

**Syllabus :**

Goals and objectives of planning; Components of planning - regional planning for block, district, state, nation - Theories of urbanization - Study of Urban Forms - Urban Structure and its Characteristics - Spatial standards for various facility areas and utilities – zoning - Development of new towns - Urban Renewal - Town Development Plan - Techniques of Preparation of Base Maps.

**Course Outcome:**

The student will be able to

- identify and develop the various components of planning at neighborhood, city, regional and national levels
- familiarize with spatial standards of facilities and prepare base maps for urban development.

**Text Books:**

1. Hutchinson B.G., Principles of Transportation Systems Planning, McGraw-Hill, 1974
2. Khadiyali L.R. Traffic Engineering and Transport planning, Khanna Tech Publishers, 1999
3. Oppenheim N., Applied Models in Urban and Regional Analysis, Prentice-Hall, 1980
4. Rangwala, Town planning , Charotar publishing house, 28e, 2015.

**References:**

1. Eisner S, Gallion A and Eisner S., The Urban Pattern, Wiley, 1993.
2. Hiraskar G K, Fundamentals of Town planning, Dhanpat Rai publications, 1993.
3. N.K Gandhi – Study of Town and Country planning in India – Indian Town and Country planning Association, 1973.
4. Wilson, A.G, Urban and Regional Models in Geography and Planning, John Wiley and Sons, 1974.

Module	Contents	Hours	Sem. Exam Marks %
I	Definitions and Rationales of Planning - Definitions of town and country planning; Goals and objectives of planning; Components of planning; Benefits of planning - urbanization, industrialization and urban development; push and pull factors; migration trends and impacts on urban and rural development - rural-urban fringes - city region - area of influence and dominance	6	15
II	Rural landscapes- regional planning: definition, need and importance, function, objective, concept of region, types of	6	15

	regions, delineation of regions - Types and contents of regional planning for block, district, state, nation, NCR, resource region, agro-climatic region, topographic region and sectoral planning, major regional problems and their solutions.		
<b>FIRST INTERNAL EXAMINATION</b>			
<b>III</b>	Theories of urbanization-Concentric Zone Theory; Sector Theory; Multiple Nuclei Theory; Land Use and Land Value Theory of William Alonso; City as an organism: a physical entity, social entity and political entity -- Study of Urban Forms such as Garden City, Precincts, Neighbourhoods, - MARS Plan, LeCorbusier Concept, Radburn Concept	<b>7</b>	<b>15</b>
<b>IV</b>	Urban Structure and its Characteristics - Functions of Transportation Network - concept of accessibility and mobility, Transit Oriented Development (TOD) - Spatial standards for residential, industrial, commercial and recreational areas, space standards for facility areas and utilities, Provisions of Town Planning Act, zoning, subdivision practice, metro region concept.	<b>7</b>	<b>15</b>
<b>SECOND INTERNAL EXAMINATION</b>			
<b>V</b>	<b>Concept of New Towns:</b> Meaning, role and functions: Special planning and development considerations, scope and limitations of new town development, Indian experience of planning and development of new towns. Urban Renewal: Meaning, significance, scope and limitations, urban renewal as a part of metropolitan plan	<b>8</b>	<b>20</b>
<b>VI</b>	Town Development Plan: Scope, contents and preparation. A case study of development plan, scope, content and preparation of zonal development plans, plan implementation - organizational legal and financial aspects, public participation in plan formulation and implementation - Techniques of Preparation of Base Maps: Drawing size, scale, format, orientation, reduction and enlargement of base maps.	<b>8</b>	<b>20</b>
<b>END SEMESTER EXAMINATION</b>			

### QUESTION PAPER PATTERN (End semester examination)

**Maximum Marks :100**

**Exam Duration: 3 Hrs**

Part A -Module I & II : 2 questions out of 3 questions carrying 15 marks each

Part B - Module III & IV: 2 questions out of 3 questions carrying 15 marks each

Part C - Module V & VI : 2 questions out of 3 questions carrying 20 marks each

**Note :** 1.Each part should have at least one question from each module

2.Each question can have a maximum of 4 subdivisions (a, b, c, d)