

31282 - TOWN PLANNING

DETAILED SYLLABUS

UNIT I

1.1 TOWN PLANNING PRINCIPLES: General-evolution of planning-objects of town planning-Economic justification for town planning-principles of Town planning-Necessity of town planning-origin of towns-growth of towns-stages in town development personality of town-Distribution of land uses-Forms of planning-site for an ideal Town-Requirements of new Towns Planning of the modern Town- Powers required to enforce T.P. schemes-cost of Town planning-present position of Town Planning in India.

1.2 SURVEYS: General-Necessity-collection of Data-Types of surveys-Uses of surveys.

1.3 ZONING: Meaning of the term-Uses of land-objects-principles of Zoning-Advantages of Zoning Importance of Zoning-Aspects of Zoning-Transition Zone- Economy of Zoning -Zoning powers-Maps for Zoning.

UNIT II

2.1 HOUSING: General-Importance of housing-Demand for houses-Building site Requirements of residential buildings-Classification of residential buildings- Design of residential areas-Rural Housing Agencies for housing-Investment in housing- HUDCO - CIDCO- Housing problem in India.

2.2 SLUMS: General-Causes of slums-Characteristics of slums-Effects of slums-Slum clearance- Works of improvement-Open plot scheme-Slum clearance and rehousing Prevention of slum formation Resources for slum clearance programmes-The Indian slum.

UNIT III

3.1 PUBLIC BUILDINGS: General - Location of Public Buildings – Classification of public Buildings - Principles of design of public buildings - Town centre - Grouping of public buildings - Civic aesthetics.

3.2 PARKS AND PLAY GROUNDS: General-Types of recreation-Location of urban green spaces-classification of parks-park systems-park design-Finance of parks-parkways playgrounds- space standards-Landscape architecture.

3.3 MASTER PLAN: General-Objects-Necessity-Data to be collected-Drawings to be prepared Features of master plan-Planning standards- Report- stages of preparation- Method of Execution-conclusion.

3.4 RE-PLANNING EXISTING TOWNS: General- Objects of re-planning- Defects of existing towns- Data to be collected Urban renewal projects- Decentralization- Garden city- Surface drains- Refuse of Town.

UNIT IV

4.1 URBAN ROADS: General-Objects- Requirements of good city road-Factors to be considered Classification of urban roads-Types of street systems-Through and By-pass roads Outer and inner ring roads Expressways- Freeways-Precincts-Road aesthetics.

4.2 TRAFFIC MANAGEMENT: General-Object-Traffic survey-Traffic congestion-Traffic control-Road junction Parking-Traffic capacity of road-Road traffic problems –Road accident-Traffic signal – Road sign –Road marking-Street lighting in a town –Traffic problem of existing towns –Peculiarities of traffic.

UNIT V

5.1 BUILDING BYE-LAWS: General- Objects of bye-laws-importance of bye-laws-Function of local authority- Responsibility of owner-Applicability of bye-laws-set-back-Light plane-Floor space index-Off street parking-Fire protection-Minimum plot sizes-Some other terms Principles underlying building bye-laws- for residential area of a typical town planning scheme-Building bye-laws-Development control rules- General rules of metropolitan Area- CMDA rules.

5.2 MISCELLANEOUS TOPICS: Airports-Location-size-Noise control- Parts of an airports-Betterment and compensation-city blocks-conurbations-Cul-de-sac streets-Focal point- Green belt Public utility services-Rapid transit –Remote sensing application –urban planning using remote sensing-site suitability analysis- Transportation planning.

REFERENCES

1. K.S.Rangwala and P.S.Rangwala,. "Town Planning",Charotar Publishing House,15th Edition,1999.
2. Michael Hord, R. Remote sensing methods and application, John Wiley and Sons, New York, 1986.
3. National Building Code of India- Part-III.
4. Municipal and Panchayat bye-laws, CMDA Rules and Corporation bye-laws.

Diploma, Anna University-UG, PG., HSC & SSLC

Notes

Syllabus

Question Papers

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5. KA. Ramegowda, Urban and regional planning , University of Mysore
6. M/s Dvan, The urban pattern, city planning and design.
7. Time saver standards for site planning, Mc Graw Hill Book company
8. John Rate life, An Introduction to town and country planning, London
9. The art of home landscaping – Mc Graw Hill Book company
10. Harvey M. Rubenstein ,A Guide to site and Environmental planning, Newyork.