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DEPARTMENT OF CIVIL ENGINEERING

CE 8004 – URBAN PLANNING AND DEVELOPMENT

Course Objectives

The Student should be able

S. No.	Course Objective
1	The objective of this course is to enable students to have the knowledge on planning process and introduce to the students about the regulations and laws related to Urban Planning.

Course Outcomes:

On Completion of the course the students will be able to

CO No.	Course Outcome
1	Describe basic issues in urban planning
2	Formulate plans for urban and rural development
3	Plan and analyse socio economic aspects of urban and rural planning
4	Design of urban development projects.
5	Manage urban development projects.

UNIT I BASIC ISSUES

Definition of Human settlement, Urban area, Town, City, Urbanisation, Suburbanisation, Urban sprawl, Peri-urban areas, Central Business District (CBD), Classification of urban areas –Trend of Urbanisation at International, National, Regional and State level.

PART A

1. Define: Human settlement
2. What do you mean by urban area?
3. Differentiate between city and town.
4. Define the term urbanisation.
5. What are the reasons for urbanisation?
6. Define: Urban Sprawl.
7. what are the characteristics of CBD?
8. What are the classifications of urban area?
9. What are the causes of urbanisation?
10. What do you mean by Peri- urban area?
11. How will you differ rural settlement from urban settlement?
12. Give some examples for CBD

PART B

1. Explain in detail about human settlement.
2. What do you mean by CBD? Discuss in detail.
3. Explain in detail about the various classifications of urban area.
4. Explain in detail.
 - i) the hierarchical order of CBD
 - ii) the shape of CBD
5. Explain in detail about the trends of urbanisation.
6. What are the problems faced in urban settlement? Explain each in detail.
7. Explain in detail about human settlement.

PART - C

1. Explain the Delimitation of CBD.
2. Explain the Problems of Human Settlements in Developing Countries.
3. Explain in detail about the various Reasons of urbanization

UNIT 2- PLANNING PROCESS

Principles of Planning –Types and Level of Plan, Stages in Planning Process –Goals, Objectives, Delineation of Planning Areas, Surveys and Questionnaire Design.

PART A

1. Define Urban planning
2. What are the issues in Urban planning?
3. What are the **Types Of Plans in urban planning?**
4. What are the **Stages in urban Planning Process?**
5. Define Delineation
6. What are the Main functions of the master plan?
7. What are the Criteria's followed in Zonal development plans?
8. what do you mean by Local area plan?
9. Define Urban planning
10. What are the issues in Urban planning?
11. What are the **Types Of Plans in urban planning?**
12. What are the **Stages in urban Planning Process?**

PART B

1. Explain in detail about the various Principles Of Urban Planning.
2. Explain in detail about the various types of urban planning
3. .Explain in detail about the various levels of urban planning
4. Discuss in detail the stages of urban planning?
5. Explain the delineation in urban planning.
6. Explain the various surveys in urban planning area.
7. Explain in detail about the various Principles Of Urban Planning.
8. Explain in detail about the various types of urban planning

PART - C

1. 1. Discuss in detail the zonal development plan and local area plan in urban planning.
2. 2. Discuss in detail the Preparatory / exploration phase and Design and implementation phase in urban planning
3. 3. Discuss in detail the classifications of planning surveys

UNIT III – DEVELOPMENT PLANS, PLAN FORMULATION AND EVALUATION

Scope and Content of Regional Plan, Master Plan, Detailed Development Plan, Development Control Rules, Transfer of Development Rights , Special Economic Zones- Development of small town and smart cities-case studies.

PART A

1. State the scope of regional plan.
2. Define a master plan.
3. What are the characteristic of master plan?
4. State the principle of detailed development plan.
5. Mention the objectives of master plan.
6. What is the significance of detailed development plan?
7. List the types of development plan.
8. Mention a few development control rules.
9. Why should development control rules be framed?
10. What are the points to be considered for the formulating development control rules?
11. Mention the purpose of transfer of development rights.
12. List the steps of transfer of development rights.
13. Define special economic zones.
14. Discuss about the advantages of special economic zones.
15. List the categories included under special economic zones.
16. Mention few provisions under special economic zones.
17. What are the considerations for development of small towns?
18. Define smart cities.
19. Discuss the significance of development of smart cities.
20. What are the points to be considered for the development of smart cities?

PART B

1. Discuss the characteristics and contents of regional plan and master plan.
2. Generalize the features of detailed development plan.
3. Discuss in detail about the various types of development plans.
5. Describe the features of development control rules.
6. What are the significance of the development control rules? Discuss its impact on urban planning.
7. Discuss the key considerations for framing the development control rules.
8. Describe of basics of transfer of development rights.
9. Explain the purpose and types of transferable development rights.
10. Generalize the steps involved in transfer of development rights.
11. What are the characteristics of special economic zones and the need to categorize SEZ.
12. Mention the provisions under special economic zones.

PART C

1. Explain in detail about SEZ.
2. Discuss the impact of the development control rules on urban planning.
3. Discuss the characteristics and contents of master plan

UNIT IV - PLANNING AND DESIGN OF URBAN DEVELOPMENT PROJECTS

Site Analysis, Layout Design, Planning Standards, Project Formulation – Evaluation, Plan Implementation, Constraints and Implementation, Financing of Urban Development Projects.

PART A

1. Give the checklist for a site analysis.
2. Mention the significance of site analysis for urban planning.
3. Define a layout design.
4. List the urban planning standards.
5. State urban planning formulation.
6. Mention the purpose of planning standards.
7. What are the planning standards of recreational areas?
8. Define project formulation.
9. List the steps of project formulation.
10. Mention the objectives of project formulation.
11. How does project formulation enhance the effectiveness of urban development?
12. List the factors to be considered for the evaluation of urban development project.
13. Mention the significance of project evaluation.

PART B

1. Explain the factors considered for a site analysis stage.
2. Discuss in detail about the layout, design and planning standards of urban Development.
3. Elaborate on the planning standards of infrastructure developments.
4. What are the characteristics of layout design of urban development?
5. Discuss in detail about the planning standards of urban development.
6. What are the steps involved in project formulation in a development project?
7. Give a detail study on the development project formulation and its implementation.
8. Describe about any urban development projects of India.

PART - C

1. Discuss in detail about the evaluation, constraints and implementation of urban development project.
2. Discuss about the stages and process of planning and designing of development project
3. Summarize the financing process of urban development project.

UNIT V – LEGISLATION, DEVELOPMENT AND MANAGEMENT OF URBAN SYSTEM

Town and Country Planning Act, Land Acquisition and Resettlement Act etc., Urban Planning Standards and Regulations, Involvement of Public, Private, NGO, CBO and Beneficiaries.

PART A

1. State the functions of metropolitan development authority.
2. State the uses of master plan.
3. What are the uses of Regional Plan.
4. What do you mean by release of land?
5. What do you mean by right to compensation?
6. Define development charges.
7. Classify the types of land or building based on development charges.
8. State the methods awarding compensation.
9. State land acquisition and resettlement act.
10. Write the objectives of land acquisition and resettlement act.
11. What are the limits on acquisition?
12. State the benefits of land acquisition and resettlement act.
13. Define Zoning.

PART B

1. Write in detail about Town planning and country planning Act 1971.
2. Write in detail about Land Acquisition and Resettlement Act.
3. Explain in detail about various Urban planning Standards.
4. Explain in detail Smart city.
5. Explain in detail about zoning regulations.
6. Explain in detail about rehabilitation and resettlement.
7. Conservation of heritage sites and buildings are part of development regulations. State the provisions.
8. Conservation of natural resources help sustainable development – elaborate.
9. What do you understand by urban sprawl and urban renewal
10. Explain in detail about urban renewal program.
11. Explain in detail about the role of public sector in urban development.
12. Explain in detail about the role of private sector and NGO in urban development.
13. Explain in detail about the merits and demerits of Land Acquisition and Resettlement Act.
14. Explain in detail about the merits and demerits of Town and Country Planning Act.

PART - C

1. Explain in detail about any case study on smart city project.
2. Explain in detail about any case study on Green Buildings.
3. Explain in detail about any case study on Land Acquisition and Resettlement Act.
4. Explain in detail about any case study on Town planning and country planning Act 1971.

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