

## Syllabus

### SECOND YEAR, SEMESTER - III

#### C.3.1. City and Metropolitan Planning and Development

**Module I:** Trends in the dynamics of growth of urban centres in India

Urbanization, metropolitanization, urban primacy, pattern and process; impacts and responses; urban development in Five Year Plans; environmental problems associated with large cities and metropolises.

**Module II:** Physical structure of large cities and metropolitan complexes

Master Plan / Development Plan – an instrument of town planning – population, land use, traffic and transportation, urban form and structure, city-form-transport relationship; urban housing, its structure, role, stock; urban basic services; present deficiencies and efforts to fill the gaps.

**Module III:** The economic maladies and the social contours of the Indian metropolis

The industrial, commercial and tax bases; spatial polarization of employment, unemployment and urban poverty; growth of the informal sector; measures to increase employment and to strengthened the economic base; changes in the family size and structure, culture, occupation, income and life-style; urban-rural dichotomy and social pathology of the large city.

**Module IV:** The management of the metropolis

Metropolitan government and finances; proliferation of local authorities, overlapping jurisdiction; metropolitan planning and development agency, its powers and functions, need for unified urban administration.

## Syllabus

### C.3.2. Planning for Infrastructure

**Module I:** Theories and components of major Infrastructure

Concepts and theories of design and operation of urban services and network systems-water supply, sewage disposal, drainage, refuse collection, recycling and disposal, electricity network and telephone network, health care and education, police protection and fire fighting, general welfare,

**Module II:** Planning for emergency infrastructure

Operational planning for emergency evacuation in urban areas, basic needs, formulation of objectives, norms and standards both for space allocation and quality control.

**Module III:** Services and appropriate technologies

The network and service systems: components, interrelationship, requirements and needs of appropriate technology. Effects of density, land use and urban structure on design of network and service systems.

**Module IV:** Cost of infrastructure provision

Cost recovery, economics of urban service system and networks.

## Syllabus

### C.3.3. Land Economics

**Module I:** Economic concepts of land

Definition of urban land, other relevant terms and definition of such terms, allocation of resources, Economic concept of land, objectives, scope of land economics, relevance for spatial planning,

**Module II:** Economic principles of land uses

Economic principles of land uses, inefficiency of the market use, accessibility and demand of land, urban land use pattern, factors of specific uses like residential, industrial, commercial and institutional, urban rent, land values and densities, spatial structure,

**Module III:** Development of land

Development of land, real property and process of land development, Cost of development, source of finance, Real property market, Heterogeneity and imperfections, principles and practices.

**Module IV:** Economic aspects of land policies

Economic aspects of land policies at various levels of decision making, taxation of real property, urban redevelopment

## Syllabus

### C.3.4. Project Formulation, Financing and Appraisal

#### **Module I:** Introduction to project formulation

Introduction to the life cycle of a project, project identification, formulation, appraisal, monitoring and evaluation. The role of project formulation and appraisal in the planning process.

#### **Module II:** Methodology of project identification

Stages of preparation of projects and its appraisal, methodology for project identification and formulation of opportunity studies, feasibility reports and detailed project reports, Policy parameters for appraisal of project reports, Planning Commission guidelines, requirements of principle financing agencies in the field of urban and regional planning, Review of project appraisal techniques adopted by financing agencies. Cost effectiveness analysis and cost-benefit analysis.

#### **Module III:** Cost-benefit analysis

Financial cost-benefit analysis, Cash flow analysis, time value of money, discounted cash flow analysis. Measures of project profitability based on market prices-Net present value, internal rate of return, benefit cost ratio, etc. Exercises and case studies.

Economic cost-benefit analysis, Distinction between market prices and accounting prices, objective functions in economic cost benefit analysis, derivation and application of shadow wage rates. Measures of project profitability based on efficiency prices, Case Studies.

Social cost-benefit analysis, Trade-offs between efficiency and equity goals in project appraisal, measurement of direct and indirect costs and benefits in different sectors of urban and rural development, Adjustments for project impact on saving and investment, income distribution, consumption of merit and demerit goods, Case Studies.

#### **Module IV:** Risk and uncertainty analysis

Techniques for identifying and assessing conditions of risk and uncertainty in the project environment, Sensitivity and probability analysis in the Indian context, Emerging trends in the decision making process with respect to project appraisal and resource allocation at various levels of government.

## Syllabus

## **Syllabus**

### **C.3.5. Planning Portfolio – III: District or Region Level Planning**

Regional plans are prepared for different kind of regions in various parts of the country since 1950s onwards. After the 73rd and 74th amendments to the Constitution of India in 1992, district development plans have obtained new urgency. Many states are in the process of creating institutions for the preparation of district development plans. The students are required to select a published regional plan or district plan and critically examine its contents by keeping in mind the following:

- Identity and explain the objectives of the plan as contained in the regional plan and district plan pointing out contradictors among objectives, if any.
- Enumerate surveys required for the preparation of the plan and identify major conclusions of each survey.
- Identify the direction of growth (physical) and growth potentials (socioeconomic) pointed out in the plan.
- Discuss the proposed land utilization plan in detail with a focus on integration of various land uses such as forestry, agriculture, tourisms, etc.

Submission of drawings, presentation sheets (A-1) and written report (A-3) is required to be submitted for examination.

## Syllabus

### E.3.1. Politics and Spatial Planning

**Module I:** Understanding Politics

Classical notions of politics; Current definitions and content of politics, political and police by Jacques Rancière.

**Module II:** Planning and Politics

Relationship between politics and planning; Politics of planning and politics in planning; Disempowering work of planning; and Urbanization as creeping apartheid.

**Module III:** Production of Space and Spatial Planning

Meaning of space; Types of space by Henri Lefebvre – absolute space, relative space and relational space; Meaning and essence of spatial planning; and Religion and caste based case examples.

**Module IV:** Spatial Injustices

Meaning of spatial injustice, Spatiality of injustice: Spatial dialectics of injustice, the Right to the city, and the Right to difference; and Squatter settlements based case examples of spatial injustices.

## Syllabus

### E.3.2. Planning for Disaster Risk Mitigation and Management

**Module I:** Basic Concepts of Disaster Management

Disaster – definition and concepts, types of disasters, disaster management cycle, historical perspective of disaster management, Hyogo framework of action; disaster management act, policy and programmes,

**Module II:** Natural hazards/disasters

Physical process, phenomenon causes and consequences, mitigation and management practices of natural hazards/disasters like cyclones, floods, earthquakes, landslides, etc.

**Module III:** Disaster Risk Mitigation – Non-structural Measures

Tools and techniques for risk assessment, development of risk sensitive land use planning, forecasting and early warning systems, community based disaster preparedness (CBDP), disaster education and awareness, hospital's and school's preparedness for disaster safety

**Module IV:** Disaster Risk Mitigation - Structural Measures

Disaster safe construction practices, building codes and guidelines, retrofitting for earthquake safety, post-disaster management, linkages between disaster and development



## Syllabus

### E.3.3. Planning for Informal Sector

**Module I:** Concept and Definitions

Definitions and concept of informal sector; its relation to housing and income generation; Home workers, Home based Enterprises and home based economic activities; street vendors, informal commercial activities in context of plan preparation,

**Module II:** Policy Framework for Informal Sector

Policies of the government on the informal sector, growth and characteristics of the informal sector. Formal - informal sector linkages and their effect on urban development.

**Module III:** Concept of Urban Poverty Alleviation

Urban poverty: dimensions, determinants, manifestation, Non-economic criteria in identification of poor, replicability of urban anti-poverty programmes.

**Module IV:** Policy Framework for Poverty Alleviation

Government policies and programme for urban poverty alleviation, Linkages with various other programmes, Inclusive planning with reference to poverty alleviation.

## Syllabus

### E.3.4. Public Policies in Planning

**Module I:** Basics of Public Policies

Meaning of public policy; Forms and components of public policies; Cycle of public policy formulation; and Theories of public policies and policy analysis.

**Module II:** Planning and Public Policies

Meaning of planning policy; Forms and components of planning policies; Sources and content of public planning policies; Joined-up government; and Policy implementation and evaluation.

**Module III:** Context of Planning Policies

Reasons for linking urban and regional planning policies to public policies; Integration and coherence of planning policies; Context and integration of planning policies with relevant other public policies; and Significance of the study of public planning policies.

**Module IV:** Nature of Planning Policies

Welfarist planning policies; Managerialism and urban entrepreneurialism; Neoliberal urbanism; Gentrification; and some case examples of current and classical Indian planning policies.