

**UNIVERSITY OF MYSORE**  
**Syllabus for Ph.D. Entrance Exam**  
**URBAN AND REGIONAL PLANNING**

**1.0 HUMAN SETTLEMENTS**

Early human settlements – their evolution, form and structure, Changing pattern and form of human settlements - Historic cities and city planning principles, Impact of industrial revolution on city planning. Planning philosophy and thoughts by Patrick Geddes, Le Corbusier and Ebenezer Howard. city beautiful and its movements.

**2.0 PHYSICAL PLANNING**

Basic Principles, aims and objectives of Physical planning, planning as an interdisciplinary study. Interrelationship between physical and socio-economic planning. UDPFI Guidelines and new approaches to development plans. Planning for conservation of historical monuments and natural areas

**3.0 REGIONAL PLANNING**

Regional planning- Concept, Types and Classification of regions. Multilevel planning – Needs and methods of multilevel planning in India. Composite index, Ridgeline technique, Gravity potential technique, Boundary girdle method. Regional Development Theories- W. Christaller; Von Thunen; Losch; A .Weber and W. Isard.

**4.0 ECOLOGY AND ENVIRONMENTAL PLANNING**

Fundamentals of Eco-system and environment, Components of natural and built environment- types of pollution- air; water; noise and land – Their source and impact and abatement. Environmental Impact Assessment. Sustainable Development- Stakeholders Participation and their role.

**5.0 HABITAT AND HOUSING**

Habitat – characteristics of rural and urban habitat- National Habitat and Housing policy. Appropriate Technology for housing. Housing in Five Year Plans, principles of community organization and participation in the design and implementation of housing programs. Cooperative Housing. Dimensions of rural and urban housing- Housing problems – Housing Finance – Institutional and individual response to housing.

**6.0 TRAFFIC AND TRANSPORTATION PLANNING**

Forms of Transportation- Transportation system in India –Urban Road classification- Road characteristics, Traffic surveys – Speed, Volume, Intersection Design – Rotary and Signaling system, Parking, Urban Transportation Planning Process- Setting goals and objectives- Land

use and Traffic planning- Travel data. Trip generation and Trip Distribution – Mass Transportation. Rapid Transit System,

## **7.0 PROJECT FORMULATION AND EVALUATION**

Project Formulation -Basic approaches and principles- Project cycle -Stages in plan formulation and execution of the projects- Pre- feasibility studies.

Types of Evaluation – Pre-project; Concurrent Evaluation and Post Project Evaluation- Economic, technical, market, managerial and financial aspects- Principles of measuring Cost Benefit Analysis.

## **8.0 URBAN REDEVELOPMENT AND URBAN POVERTY**

Urban Renewal and Redevelopment- technique of conducting surveys to assess urban decay and degree of obsolescence. Urban Slums and Squatter Settlements - causes and consequences Problems of Urban Decay - causes and consequences. Urban Poverty and Poverty Alleviation Programmes.

## **9.0 PLANNING LEGISLATION**

Overview and Basis of Law- Legislative Competence of State and Central governments to enact Town Planning Legislation Municipalities and Pachayats Acts: Powers and Functions of Local Bodies. 73<sup>rd</sup> and 74<sup>th</sup> Constitution Amendment Acts. Preparation of Master Plan as per the provisions of Karnataka Town and Country Planning Act, 1961, Development Control: Building bye-laws and Zoning Regulations and Subdivision Regulations

## **10.0 METROPOLITAN PLANNING**

Urbanization trends in India, National Commission on Urbanization and its Policy, Physical, economic and demographic characteristics of Metropolitan centers in India. Phenomenon of Primate cities- Need for Metropolitan Decentralization. Metropolitan Plan- preparation and implementation- Structure Plan approach. JNNURM