

(16)

- 2.2 : Preparation of questionnaire for Perception Survey on Environmental Problems (Natural and Social Hazards).
- 2.3 : Environmental Mapping Techniques, Population-Development, Environment Interrelationship.
- 2.4 : Preparation and Interpretation of Environmental Maps on Micro-level.

UNIT - III : Field Techniques and Planning Methods

- 3.1 : Identification and Study of an Environmental Problem in the field.
- 3.2 : Regression analysis, correlation and (Bi-variate) Time Series analysis of Environmental data concentration by Lorenz Curve.
- 3.3 : Cartographic presentation of Primary/Secondary data and collection of environmental maps.
- 3.4 : Preparation of the Environmental Management Plan (EMP).

UNIT - IV : Laboratory Note-Book and Viva-voce

Urban and Transport Planning

Module : 16

(Marks : 50)

UNIT - I : Concepts in Urban and Transport Geography-World and India

- 1.1 : Definition and Scope of Urban geography, different approaches and trends.

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- 1.2 : History of Urbanization, Processes and Pattern : Global examples and Indian experience ; Census Classification of Urban Centers in India.
- 1.3 : Definition, Scope and Trends of Transport Geography ; Importance of National Transport Network ; Urban transport system and design.
- 1.4 : Public and Private Transport systems : Buses, Metro, Circular and Suburban Railway in India.

UNIT - II : Urban and Transport Planning

- 2.1 : Concept and Objectives of Urban planning ; Major propositions in modern urban planning—Garden City, Zoning, City Beautification Programme, Gentrification.
- 2.2 : Urban policy in India, National Commission for Urbanization, New Towns in India.
- 2.3 : Transport Planning Strategies : strong centre strategy, weak centre strategy, full motorization strategy, low cost strategy.
- 2.4 : Major features of transport development in India, National Transport Policy, Transport planning in India: Roadways, Railways.

UNIT - III : Sustainable City Management

- 3.1 : Concept of Sustainable City ; Urban ecology ; Urban ecological crisis.
- 3.2 : Urban environmental management—Sustainable urban plans.