

Town  
Planning and  
Urban  
Development

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An Outline

Outline of Town Planning and Urban Management

**I- Definition of Town Planning, Goals and Objectives of Town Planning:**

Town Planning as multi-disciplinary approach and relationship with other professions.

**1.1 Definition of Town Planning**

1.1.1

1.1.2

1.1.3

1.1.4

1.1.5

**1.2 Goals and Objectives of Town Planning**

1.2.1

1.2.2

1.2.3

1.2.4

**1.3 Town Planning as a multi-disciplinary approach**

1.3.1 Town Planning and Sociology

1.3.2 Town Planning and Economics

1.3.3 Town Planning and Geography

1.3.4 Town Planning and Political Science

1.3.5 Town Planning and Architecture

1.3.6 Town Planning and Engineering

1.3.7 Town Planning and Environmental Science

**II- Historical Perspective of Urban Planning:** Planning of Historical Towns in the world. Examples of planned towns in Europe, Nile Valley Region, Euphrates and Tigris valley region and Indus Valley region ( Mohenjodaro, Harappa, Kot Diji and Mehr Garh) and Gandhara Civilization.

**2.1 Planning of Historical Towns in the world**

**2.2 Examples of Planned towns in Europe**

2.2.1 London

2.2.2 Paris

2.2.3

2.2.4

2.2.5

**2.3 Ancient Civilizations**

**2.3.1 Nile Valley**

2.3.1.1 Memphis

2.3.1.1.1 Location

2.3.1.1.2 History

2.3.1.1.3 Culture and Economy

2.3.1.1.4 Land use

2.3.1.1.5 Architecture

2.3.1.2 Giza

2.3.1.2.1 Location

2.3.1.2.2 History

2.3.2.3 Culture and Economy

2.3.2.4 Land use

2.3.2.5 Architecture

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**2.4 Mesopotamia**

2.4.1 Ur

2.4.1.1 Location

2.4.1.2 History

2.4.1.3 Culture and Economy

2.4.1.4 Land use

2.4.1.5 Architecture

2.4.2 Babylon

2.4.2.1 Location

2.4.2.2 History

2.4.2.3 Culture and Economy

2.4.2.4 Land use

2.4.2.5 Architecture

**2.5 Indus Valley**

2.5.1 Mohenjodaro

2.5.1.1 Location

2.5.1.2 History

2.5.1.3 Culture and Economy

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2.5.1.4 Land use

2.5.1.5 Architecture

2.5.2 Harappa

2.5.2.1 Location

2.5.2.2 History

2.5.2.3 Culture and Economy

2.5.2.4 Land use

2.5.2.5 Architecture

2.5.3 Kot Diji

2.5.3.1 Location

2.5.3.2 History

2.5.3.3 Culture and Economy

2.5.3.4 Land use

2.5.3.5 Architecture

2.5.4 Mehr Garh

2.5.4.1 Location

2.5.4.2 History

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2.5.4.3 Culture and Economy

2.5.4.4 Land use

2.5.4.5 Architecture

**2.6 Gandhara**

2.6.1 Location

2.6.2 History

2.6.3 Culture and Economy

2.6.4 Land use

2.6.5 Architecture

**III- Urban Rural Differences and Hierarchy of Settlements:** Urbanization and its effects on the environment of urban areas.

**3.1 Types of Settlements**

3.1.1 On the basis of Infrastructure

3.1.1.1 Urban Settlement

3.1.1.2 Rural Settlement

3.1.2 On the basis of Location of dwellings

3.1.2.1 Dispersed Settlement

3.1.2.2 Nucleated Settlement

3.1.3 On the basis of Function

3.1.3.1 Industrial Towns

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3.1.3.2 Port Towns

3.1.3.3 Administrative Towns

3.1.3.4 Gap Towns

3.1.3.5 Market Towns

3.1.3.6 Mining Towns

3.1.3.7 Royal towns

3.1.3.8 Ecclesiastical Towns

3.1.3.9 Resort/Hill Station Towns

3.1.3.10 Educational/ Cultural Towns

**3.2 Urbanization and Urbanism**

3.2.1 History of Urbanization

3.2.2 Factors of Urbanization

3.2.3 Problems of Urbanization

3.2.3.1 Economic Problems

3.2.3.2 Environmental Problems

3.2.3.3 Social Problems

**3.3 Urban Models**

3.3.1 Burgess Concentric Zone Model

3.3.2 Hoyt's Sector Model

3.3.3 Harris and Ullman's Multiple Nuclei Model

**3.4 Theories of Town Planning**

3.4.1 Christaller' Central Place Theory

3.4.1.1 Introduction

3.4.1.2 Assumptions

3.4.1.3 Justification of Hexagonal Hinterlands

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3.4.1.4 Models

3.4.1.4.1 K=3 Market Principle

3.4.1.4.2 K=4 Transportation Principle

3.4.1.4.3 K= 7 Administrative Principle

3.4.2 Utopian and Activist Town Planning

3.4.2.1 Sir Howard Ebenezer' Garden City Movement

3.4.2.2 Three Magnets Concept (Town, Country and Town-Country)

3.4.2.3 Application

3.4.2.4 Letchworth and Welwyn

3.4.3 Le Corbusier

3.4.3.1 CIAM

3.4.3.2 La Ville Contemporaine

3.4.3.2.1 Four Functions of a Town

3.4.3.2.2 Building Designs

3.4.3.2.3 Skyscrapers in Core and Marginal Zones

3.4.3.3 Plan Voisin

3.4.3.4 Chandigarh

**IV- History of planning in Pakistan: 5 years plans**

**4.1 Introduction**

4.1.1 First Five Year Plan

4.1.1.1 Total Budget

4.1.1.2 Allocated Development Budget

4.1.1.3 Allocated Budget for Infrastructure

4.1.1.4 Allocated Budget for Housing

4.1.2 Second Five Year Plan

4.1.2.1 Total Budget

4.1.2.2 Allocated Development Budget

4.1.2.3 Allocated Budget for Infrastructure

4.1.2.4 Allocated Budget for Housing

4.1.3 Third Five Year Plan



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4.1.3.1 Total Budget

4.1.3.2 Allocated Development Budget

4.1.3.3 Allocated Budget for Infrastructure

4.1.3.4 Allocated Budget for Housing

4.1.4 Fourth Five year Plan

4.1.4.1 Total Budget

4.1.4.2 Allocated Development Budget

4.1.4.3 Allocated Budget for Infrastructure

4.1.4.4 Allocated Budget for Housing

4.1.5 Fifth Five Year Plan

4.1.5.1 Total Budget

4.1.5.2 Allocated Development Budget

4.1.5.3 Allocated Budget for Infrastructure

4.1.5.4 Allocated Budget for Housing

4.1.6 Sixth Five Year Plan

4.1.6.1 Total Budget

4.1.6.2 Allocated Development Budget

4.1.6.3 Allocated Budget for Infrastructure

4.1.6.4 Allocated Budget for Housing

4.1.7 Seventh Five Year Plan

4.1.7.1 Total Budget

4.1.7.2 Allocated Development Budget

4.1.7.3 Allocated Budget for Infrastructure

4.1.7.4 Allocated Budget for Housing

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4.1.8 Eighth Five Year Plan

4.1.8.1 Total Budget

4.1.8.2 Allocated Development Budget

4.1.8.3 Allocated Budget for Infrastructure

4.1.8.4 Allocated Budget for Housing

4.9 Overview of 8 Five Year Plans

**V- Managing Urbanization:**

**5.1 How to manage Urbanization**

5.1.1 10 reasons for managing urbanization

5.1.2 Urbanization: world has become a city

5.1.3 Prosperity: Productive cities lay the foundation for economic development

5.1.4 Successful Poverty Reduction: International commitments are implemented with cities

5.1.5 Partners: Cities are strong international actors

5.1.6 Climate Change and Biodiversity:

5.1.7 Equal Opportunities: Promoting a socially inclusive city

5.1.8 Safety: Safe cities promote development and democracy

5.1.9 Urbanity: cities are innovative catalysts for development

5.1.10 Economic cooperation: Demand is growing in cities

**5.2 Best Practices**

**5.3 Land use classification policy**

5.3.1 Zoning

5.3.2 Types of Zoning

5.3.2.1 Residential Use

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5.3.2.2 Commercial Use

5.3.2.3 Industrial Use

5.3.2.4 Transportation

5.3.2.5 Special Land use

5.3.2.6 Recreation

**5.4 Building and Development Control**

5.4.1 Building By Laws

5.4.1.1 Residential

5.4.1.2 Commercial

5.4.1.3 Industrial

5.4.1.4 Special

**5.5 Removal of Encroachments**

5.5.1 Concept of Encroachment

5.5.2 Laws and Policies about Removal of Encroachments

**5.6 Introduction to Intelligent Transport System (ITS)**

5.6.1 Objectives of Intelligent Transportation Systems

5.6.1.1 Safety

5.6.1.2 Convenience

5.6.1.3 Economy

5.6.2.1 Driving Aid Systems

5.6.2.2 Individual-Vehicle Systems

5.6.2.3 Vehicle-Vehicle Systems

5.6.2.4 Vehicle-Infrastructure Systems

5.6.2.5 Infrastructure-Vehicle Systems

**VI- Housing Community and Economic Development:** To prepare professionals with the skills and knowledge of equitable development. Commitment to expanding opportunities and providing quality life for disadvantaged groups.

**VII- Public Policy and Urban Design Management: Solving Social and Environmental problems using:**

**7.1 Economics**

7.1.1 Local Economy

7.1.2 Indicators of Economic Growth and Problems

7.1.3 Development of Economic Base

7.1.4 Developing Major Projects

7.1.5 Ed's Med's and Fed's

7.1.6 Economic Development Programs and Policies

7.1.6.1 Supporting Local Business

7.1.6.2 Manpower Development

**7.2 Policy Analysis**

7.2.1 Policy Cycle

**7.3 Political Science**

7.3.1 Impact of Political change on Cities

7.3.1.1 Re-Establishment of Hegemony: Berlin and Jerusalem

7.3.1.2 Power Transfer: Hong Kong and Sarajevo

7.3.1.3 Collapse of Ideologies: Moscow and Johannesburg

7.3.1.4 Horizons Expanded: Vienna and Brussels

7.3.1.5 Development Handicapped: Ho Chi Minh and Hanoi

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**7.4 Urban Design**

7.4.1 Design and Convenience

7.4.2 Design and Functionality

7.4.3 Design and Aesthetics

**VIII- Sustainability, Environmental Policy and Planning:**

**8.1 Concept of Sustainable Development**

8.1.1 Economic

8.1.2 Environmental/Green

8.1.3 Social

8.2 UN Habitat's Five Principles

8.2.1 Efficient Street Network

8.2.2 High Density

8.2.3 Mixed Land use

8.2.4 Social Mix

8.2.5 Limited Land use Specialization

8.3 Application of 5 principles

**IX- Urban Information Systems:**

**9.1 Softwares for urban planning**

9.1.1 Geographical Information Systems (GIS)

9.1.2 RS and DBMS

9.1.3 Best Practices

9.1.3.1 GIS in spatial Analysis

9.1.3.2 GIS in Governance

9.1.3.3 GIS in Disaster Management

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9.1.3.4 GIS and Poverty Alleviation/Slum Removal

9.1.4 Softwares Using GIS Technologies

9.1.4.1 Arc GIS

9.1.4.2 Arc View

9.1.4.3 Arc Editor

9.1.4.4 Arc Info

9.1.2 Spatial Planning Support Systems (SPSS)