

## 09ARC 7.3 – PHYSICAL PLANNING

Written by Administrator

Saturday, 31 October 2009 18:10 -

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**CONTACT PERIODS: 3 (LECTURE) PER WEEK**

**DURATION OF EXAM : 3 HOURS**

**EXAM MARKS : 100**

**PROGRESSIVE MARKS : 50**

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**Objective:**

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To give an introduction to the discipline of urban and regional planning

### Outline:

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Human settlements – Urban settlements and Rural settlements, differences, origins, evolution and growth of settlements. Major functions of a city, city forming and city serving functions. Problems faced by a typical city. Relation between urban and rural settlements, characteristics and planning efforts of cities and towns of various historical periods like Egyptian, Greek, Roman, Medieval, Renaissance, Neo-classical. Industrial Revolution and its impact on cities, the contemporary city. Cities of Indus valley and Vedic period, cities of Moghul period and British period, typical Indo-Aryan cities, typical Dravidian temple city.

Planning Theories – enunciated by Ebenezer Howard, Patrick Geddes, Soria Y Mata, Doxiadis, Le-Corbusier, Clarence Stein, Clarence Arthur perry, Hilberseimer – their relevance to Indian conditions.

Land use planning, land use classification for cities and rural settlements, analysis of land uses in Indian cities.

Urbanisation, Industrialisation and urban growth, definitions and inter relationship. Trends in urbanization in India since Independence. Growth of metropolitan cities, their growth and management problems, world urbanization trends.

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Components of a settlement – activity pattern and land use, traffic and road network, density of population and population distribution. Central business district of a city, other business districts, urban nodes, rest of the city, fringe area and suburbs. Growth and aging of various parts of the city particularly the CBD, the problems caused due to this including slums, internal spatial structure of cities – concentric zone theory, sector theory, multiple nuclei concept and work-home concept.

Planning Techniques – study and analysis of existing settlements, methodology of conducting diagnostic surveys and studies, land use survey, density survey, FSI survey, traffic surveys, presentation of data

Regional Planning – relation among various settlements of a region, pattern of settlements in a region. Definition of a region, various types of regions, basic principles of regional planning

Urban Renewal – causes and consequences of urban blight and obsolescence – slums and shanties – methods of conducting surveys, analysis and presentation of data, prevention of formation of slums and squatter settlements. Environmental and management issues.

**Reference:**

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1) “The Urban Pattern: City Planning and Design” by Gallion and Eisner

2) “Urban Planning” by Chapin