

8) ARCHITECTURE

Syllabus & Model Question Paper
Syllabus

CITY Planning: Historical development of city planning, principals pf city planning new towns, survey method, site planning and planning regulations and building bye laws.

Housing : Concept of shelter, housing design and policies, role of government agencies, finance and management.

Landscape Design: Principles of landscape design, landscape elements, materials, planning design

Visual and Urban design: Principles of visual composition, proportion, scale, rhythm, symmetry, asymmetry, harmony, balance of form and color sence of place and space, division of space, focal point vista, visual survey.

History of Architecture; Indian – Indus vally, Vedic, Buddhist, Indo Aryan, Dravidian and mughal periods; European – Egyptian, Greek, Rioman, Medieval, and renaissance periods.

Develpoment of Contemporary Architecture: Development and impact on society since industrial revolution, influence of modern art on architecture, works national and international architects, post – modernism in architecture.

Planning Theory: Planning process, comprehensive planning, land use and density in residential and non-residential area, central place theory, rank – size rule, settlement pattern, land utilization, and district level planning.

Techiques of planning: Application of remote sensing techniques in urban and regional planning surveys, methods of preparation of urban and regional development plans, structure plans, strategy plans etc; and site planning principles and design.

Note: The questions may be of multiple choices, objectives type pertaining to the syllabus.

PART – I

Each question carries One Mark
Marks

50 x 1 = 50

- 1) 'House Form and Culture' is the title of a noted book authored by
 - a) Geoffrey Broadbent
 - b) Christopher Alexander
 - c) Jon Lang
 - d) Amos Rapoport

- 2) The origin of the Deconstruction Movement in architecture can be traced to
 - a) Bernard Tschumi
 - b) Frank Gehry
 - c) Jacques Derrida
 - d) Peter Eisenman

- 3) Christopher Alexander's 'Pattern Language' deals with
 - a) devising patterns to create a building or a town
 - b) recognition of styles and patterns of languages
 - c) communication & public participation using sign language
 - d) patterns found in European languages

- 4) According to Central place theory, the tributary around central places are flattened into
 - a) octagons
 - b) hexagons
 - c) heptagons
 - d) decagons

- 5). For the purpose of calculating the net residential density for a residential area, the land included in the density calculation consists of
 - a) house plots only
 - b) house plots and residential roads
 - c) house plots, residential roads and incidental open spaces
 - d) house plots, and incidental open spaces

PART – II

Each question carries two marks
Marks

25 x 2 = 50

1) Match the architects with the buildings designed by them

| | | | |
|---|---------------|---|--|
| P | Richard Meier | 1 | Piazza d'Italia |
| Q | Ricardo Bofil | 2 | Smith House |
| R | Norman Foster | 3 | Xanadu Apartments |
| S | Charles Moore | 4 | Hong Kong & Shanghai Bank Headquarters |
| | | 5 | Jewish Museum Extension |

a) P-2, Q-3, R-4, S-1

b) P-2, Q-5, R-4, S-3

c) P-1, Q-3, R-4, S-5

d) P-2, Q-3, R-5, S-1

2) A sector has a gross area of 200 hectares and a residential area of 150 hectares. If net residential density is 400 pph, what is the gross density of the sector?

a) 300 pph

b) 200 pph

c) 250 pph

d) 150 pph

4) Select the most appropriate sequence of the components of a Orissan temple, in elevation

a) bada → pista → chhapra → beki → amla

b) pista → bada → chhapra → beki → amla

c) pista → chhapra → bada → beki → amla

d) pista → chhapra → bada → amla → beki

5) The most appropriate hierarchical sequence of plans is

a) National plan → Regional plan → Master plan → Area plan

b) National plan → Master plan → Regional plan → Area plan

c) Regional plan → National plan → Master plan → Area plan

d) National plan → Master plan → Area plan → Regional plan

6) In a residential community of 12,000, 20% are Higher Secondary School going children. The expected enrolment is 75% and per capita gross floor space required is 3.0 sqm. The ground coverage permissibility is 30%. Indicate the land area required, for the High Secondary School building, assuming it is single storeyed and ground coverage permitted is fully utilized.

a) 0.8 hectare

b) 2.8 hectare

c) 1.8 hectare

d) 18 hectares