

**BRANCH : CIVIL ENGINEERING**

**SEMESTER : 3<sup>rd</sup>**

**Module - 1**

**Building Planning**

1. Classification of buildings.
2. Draw the components of a building. (Two-story).
3. Orientation criteria for Indian conditions.
4. Principles of building planning.
5. Principles of Architecture composition.

**Module - 2**

**Building Planning**

6. What is the Building bye laws. Explain objectives, Scope & Applicability.
7. Define terms:  
Control Line, Building Line, Plinth Area, Set Back, and Built up Area, Carpet Area, FSI, Basement, Light Plane, mezzanine floor, dwelling house, dwelling unit, loft, gametal
8. Enlist criteria for the selection of site for various type of public Building.

**Module - 4**

**Building Planning**

9. Briefly explain classification of perspective views.
10. Explain Difference between Isometric view and Perspective view and also explain typical characteristics of perspective drawings.
11. Define terms.  
Station point, Picture plan, Line of Sight, Horizontal Plane, Horizontal Line, Ground Plan, and Vanishing Point, angle of vision, ground line, centre of vision, eye level

**Module - 5**

**Town Planning**

12. Define town planning. Briefly explain principle of town planning. Objective of town planning.
13. Types of growth of towns.
14. Necessity of civic surveys for planning purpose & explain collection of data.
15. Discuss various surveys conducted for town planning scheme.
16. Enlist method adopted to collect data.

**Module - 6**

**Town Planning**

17. Define zoning. Explain the objective and importance of zoning and also explain classification of zoning.
18. Enlist and draw different urban patterns.
19. Explain classification of urban road adopted in city planning.
20. State objective & requirement of "master plan".
21. Write short note on central business district and town planning scheme.
22. State the principles of neighbourhood planning. Explain the importance of neighbourhood planning?
23. Briefly explain the town planning scheme.
24. Describe the important remedial measures to prevent slum formation.
25. Define slum. Explain Causes of slums?
26. Discuss slums clearance and its methods.

**Module - 3**

**Tutorial**

1. **Residential planning** (two storey): Plan, elevation, section, lay-out plan, key plan, site plan, area table, schedule of opening. Scale- 1:100
2. **Working drawing**: furniture plan, drainage lay out, toilet detail, kitchen detail, electrical plan.
3. **Public Building**: ground floor plan, typical floor plan, elevation, section, lay-out plan, key plan, site plan, area table, schedule of opening.
4. **Perspective Drawing**: Two Point Perspective
5. Prepare building drawing (2D,3D model) of sheet-1 planning using software

\*Note: size of drawing sheet – **A1 size**