

AMBE04 THEORY OF ARCHITECTURE-I

UNIT-1 INTRODUCTION TO ARCHITECTURE

- 1.1 Definitions of Architecture- Origin of Architecture
- 1.2 Architecture as a discipline
- 1.3 Context for architecture as satisfying human needs
- 1.4 Functional, aesthetic and psychological
- 1.5 Outline of components and aspects of architectural form-site, structure, skin, materials,
- 1.6 Services, use, circulation, expression, character, experience
- 1.7 Introduction to the formal vocabulary of architecture and Gestalt ideas of visual perception.

UNIT-2 ELEMENTS OF ARCHITECTURE

- 2.1 Understanding fundamental elements such as point,
- 2.2 Line, plane, form and space, shape, Pattern, light, colour,
- 2.3 Surface and texture with reference to the evolution of architectural form and space.

UNIT-3 ELEMENTS OF ARCHITECTURE- FORM

- 3.1 Understanding perceptual effects of specific geometric forms such as sphere, cube, pyramid,
- 3.2 Cylinder and cone and its sections as well as their derivatives with respect to the evolution of architectural form and space.

UNIT-4 ELEMENTS OF ARCHITECTURE- SPACE

- 4.1 Understanding perceptual effects of specific configuration of architectural spaces
- 4.2 Enclosure- Internal and External, Continuous spaces
- 4.3 Spatial relationship and its types, spatial organization:
- 4.4 Centralized, Linear, Radial Clustered,
- 4.5 Grid- built form and open space relationships.

UNIT-5 PRINCIPLES OF ARCHITECTURE

- 5.1 Understanding fundamental principles such as proportion, scale, balance,
- 5.2 Symmetry/asymmetry, rhythm, axis, hierarchy, datum, unity, harmony, dominance, climax
- 5.3 Movement with reference to the architectural form and space
- 5.4 Detailed study of relationship between architectural form and circulation
- 5.5 Types of circulation- Building approach and entrance,
- 5.6 Path configuration and form, path space relationship, orientation.

References Books:

1. Leland M.Roth, "Understanding Architecture: Its Experience History and Meaning", Craftsman house, 1994.
2. Peter von Meiss, "Elements of architecture – from form to place", Spon Press 1977.
3. Rudolf Arnheim, "The dynamics of architectural form", University of California Press, 1977.
4. Neils Prak, "The language of Architecture", Mounton & Co., 1968.