

31232- THEORY OF ARCHITECTURE **DETAIL SYLLABUS**

UNIT I INTRODUCTION AND ELEMENTS OF ARCHITECTURE

Definition of Architecture - Architectural design –Difference between architecture and civil engineering – Architect – Civil Engineer - An analysis, Integration of aesthetic and function - Elements of Architecture – point, line, plane and volume - various building examples.

UNIT II ARCHITECTURAL FORMS & SPACE

Form & space - Unity of opposites, Shapes, visual and emotional effects of geometric forms - The sphere, the cube, the pyramid, the cylinder and cone and their derivatives, Subtractive & additive forms – linear, radial, centralized, clustered, grid - various building examples - Form defining space – horizontal elements, vertical elements - Space defining elements, openings in space-defining elements.

UNIT III COMPONENTS OF DESIGN AND PRINCIPLES OF COMPOSITION

COMPONENTS:

Proportion, scale - Ordering principles - balance, rhythm, symmetry, datum, hierarchy, pattern, and axis with building examples.

PRINCIPLES OF COMPOSITION:

Unity, harmony and specific qualities of design to include dominance, punctuating effect, dramatic effect, fluidity, climax, texture, colour and contrast with building examples.

UNIT IV ORGANIZATION OF FORMS & SPACES

SPATIAL RELATIONSHIPS:

i) Space within space ii) Interlocking spaces iii) Adjacent spaces iv) Space linked by a common space.

SPATIAL ORGANIZATION:

Influencing factors and their types i) Centralized ii) Linear iii) Radial iv) Clustered v) Grid Works of contemporary architects and their ideologies and philosophies using the forms and space – F.L.Wright , Le Corbusier

UNIT V ARTICULATION AND CIRCULATION

ARTICULATION OF FORM:

Types: i) Edges and corners, ii) Surfaces articulation - Works of contemporary architects and their ideologies and philosophies using the forms and space – Louis Sullivan, Philip Johnson.

REFERENCES

1. V.S.Pramar, Design Fundamentals in Architecture, Samaiya Publications Private Ltd., New Delhi.
2. Paul Alan Johnson - The Theory of Architecture - Concepts and themes, Van Nostrand Reinhold Co., New York.
3. Francis D.K.Ching, Architecture-Form, Space and Order, Van Nostrand Reinhold Company, New York, 1979.
4. Helm Marie Evans and Caria David Dunneshil, An initiation to design, Macmillan Publishing Co. Inc., New York

www.AllAbtEngg.com

For Notes, Questions, Syllabus & Many More

5. Ernest Burden - Elements of Architectural Design - A visual resource, VanNostrand Reinhold, 1994.
6. Sir Bannister Fletcher - A History of Architecture, Butterworths, London, 1987