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Question Paper Code : 90094

B.Arch. DEGREE EXAMINATIONS, APRIL/MAY 2025.

First Semester

AR 3101 – INTRODUCTION TO ARCHITECTURE

(Regulations 2021)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. How do materials used in architecture influence our perception of nature through built space?
2. Define : Architecture.
3. How can architects design for touch?
4. Choose a natural form and state how it has influenced architectural design.
5. In what ways can the manipulation of a single geometric element change the spatial experience?
6. What role do transitions between geometric elements play in creating spatial flow or hierarchy?
7. How do the texture of a material contribute to the perceived “weight” or “lightness” of a form?
8. What is the function of an axis in organizing architectural form and movement?
9. Brief about how the degree of enclosure effect the psychological comfort of a space.
10. In what ways the built forms define and interact with adjacent open spaces to create a cohesive environment?

PART B — (5 × 16 = 80 marks)

11. (a) Explain the function of shelter in shaping the formal and spatial evolution of architecture throughout history.

Or

- (b) Enumerate how unself-conscious design rely on collective knowledge, memory, and repetition rather than individual creativity?

12. (a) Illustrate how form mediates the relationship between space and function.

Or

- (b) Explicate how the buildings accommodate or ignore sensory engagement beyond the visual-touch, sound and temperature.

13. (a) Discuss how sectioning a form changes both its perceptual and functional characteristics with neat sketches and building examples.

Or

- (b) Design an abstract spatial composition using only planes and volumes. How does the orientation and position of elements affect the space?

14. (a) Analyze a well-known architectural work. Discuss how visual and spatial principles like light, symmetry, rhythm, dominance etc. shape the experience of form.

Or

- (b) Explain how pattern can be used to reinforce or subvert the geometry of a form.

15. (a) Explain the architectural strategies which can be employed to create a sense of continuity between different spaces.

Or

- (b) Analyze the Guggenheim Museum in New York by Frank Lloyd Wright. How does its spiral ramp influence movement and spatial perception?