

005ART101112401

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
B.Arch Degree S1 (R,S) Examination December 2025 (2021 Scheme)

Course Code: ART101

Course Name: THEORY OF ARCHITECTURE-1

Max. Marks: 60

Duration: 3 Hours

PART A

Answer all questions, each question carries 4 marks

Marks

- | | | |
|---|--|-----|
| 1 | Explain the Vitruvian definition of architecture. | (4) |
| 2 | Describe the characteristics of openings as an element of architecture. | (4) |
| 3 | Differentiate between proportion and scale. | (4) |
| 4 | Explain the built form and open relationship with architectural examples. | (4) |
| 5 | Illustrate the three different ways of approaching a building with architectural examples. | (4) |

PART B

Answer any one question from each module, each carries 8 marks

MODULE 1

- | | | |
|---|---|-----|
| 6 | "Similarities observed between man-made structures and the structures of nature are unavoidable." Justify the statement with four architectural examples. | (8) |
| 7 | Elaborate any five from the set of laws which addresses the natural compulsion to find order in disorder. | (8) |

MODULE 2

- | | | |
|---|---|-----|
| 8 | What are the different types of planes used in defining spaces? Elaborate and illustrate each with architectural examples. | (8) |
| 9 | Enumerate the modifying elements in architecture. Explain with architectural examples and illustrations the characteristics of colour, texture and ventilation as modifying elements. | (8) |

MODULE 3

- 10 Enumerate the proportioning systems. Explain any three proportioning systems with architectural examples and illustrations. (8)
- 11 Elaborate on the following ordering principles with architectural examples and illustrations: (8)
- a. Axis
 - b. Hierarchy
 - c. Datum
 - d. Contrast

MODULE 4

- 12 Enumerate the different variations generated by transformation of forms. Illustrate each with architectural examples and Illustrations. (8)
- 13 There are fundamental ways in which the spaces are organized into coherent patterns of form and space in architecture. (8)
Discuss and analyse any four principles with architectural examples.

MODULE 5

- 14 Enumerate the different configurations of the path which influences and is influenced by the spatial organizational. Evaluate the characteristics of any three with architectural examples. (8)
- 15 Paths may be related to the spaces they link. Evaluate the path-space relationship with architectural examples. (8)
