

BACHELOR OF ARCHITECTURE SECOND YEAR SECOND SEMESTER - 2024

THEORY OF ARCHITECTURE II

Time : 3 hours

Full Marks : 100

Instructions: Answer any four questions

1. What is Architecture- Art or science? Explain Why.
With a case study explain the role of 'lateral' and 'linear' thinking involved in holistic design process? 10+15
2. What are the various factors that shaped traditional architecture of a place? Give examples.
Explain with sketches the thermal system of house form of Pals of Ahmedabad. 10+15
3. What do you mean by Barrier Free Design? Explain, with sketches, the various components to be integrated with building design to make a shopping mall barrier free. 5+20
4. Define Aesthetics in architecture. List down the aesthetic principles to consider while creating a good design. Explain the principles with examples and support with sketches. 5+20
5. Write Short notes-(Any five)
5x5=25
 - a. Shear walls
 - b. Dampers
 - c. Base Isolation
 - d. Bath tub and shower compartments for persons with disabilities.
 - e. Shading devices
 - f. Wind induced ventilation of interior spaces
6.
 - a) What are the functions of an efficient drainage system in a building? "The drainage system can be broadly divided in two parts"- explain the two parts with labelled sketches.
 - b) With sketches explain the difference between upward distribution and down take distributions of water supply in a building? Label all parts.5+10+10