

BACHELOR OF ARCHITECTURE SECOND YEAR SECOND SEMESTER - 2023

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. Explain the role of various types of shading devices of buildings in warm weather? Support with sketches. 25
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. Short notes-(Any five) 5x5=25
 - a. Catenary Structure
 - b. Shell Structure
 - c. Passive solar heating.
 - d. Bath tub and shower compartments for persons with disabilities.
 - e. Daylighting
 - f. Dropped Kerbs
6. What are the types of earthquake induced damages in buildings? Write about general principles for improving earthquake resistance in buildings. 5+20