

# School of Architecture and Design

Architecture  
ETE - Jun 2023

Time : 3 Hours

Marks : 100

## Sem II - B1UC201B - Building Material and Construction-I

*Your answer should be specific to the question asked*

*Draw neat labeled diagrams wherever necessary*

1. What is the meaning of timber? Mention the name of various types of wood. K1 CO1 (5)
2. What is meant by veneer? Give an example. K2 CO2 (5)
3. Define the framed and paneled doors. K2 CO1 (5)
4. Explain the different types of defects in timber due to natural forces? K3 CO3 (10)
5. Explain about the endogenous tree. What are the characteristics of this trees? K2 CO2 (10)
6. Explain the different types of defects in timber during seasoning. Support your answer with a suitable example. K3 CO3 (10)
7. What is the use of windows and ventilators? Explain your answer with a suitable example. K4 CO4 (10)

**OR**

- Differentiate between plywood and particle board. K4 CO4 (10)
8. Draw the following door with their technical terms K5 CO5 (15)
    - a. Battened and Ledged Doors
    - b. Battened, Ledged, and Braced Doors
    - c. Battened, Ledged, and Framed Doors

**OR**

- Which are fixtures and fastenings used for doors and windows? Support your answer with suitable sketches. K5 CO5 (15)
9. What is a flush door? Explain the different types of flush doors. Elaborate your answer with a suitable example. K3 CO3 (15)
  10. Explain any three of the following types of windows with suitable sketches. K4 CO4 (15)
    - a. Fixed Windows
    - b. Sliding Windows
    - c. Pivot Windows
    - d. Single-Hung Windows
    - e. Louvered Windows