

Ref. No. : Ex/Arch/T/311/2025(S)

Name of the Examinations: BACHELOR OF ARCHITECTURE THIRD YEAR FIRST SEMESTER SUPPLEMENTARY EXAM - 2025

Subject : ARCHITECTURAL CONSTRUCTION III

Time : 3 Hrs. Full Marks : 100

Please follow the instructions carefully:

- Answers should have neat drawings/ diagrams
- Construction details should be shown instead of mere inconspicuous/ obscured/ speculative/ non technical sketches
- Labelling of all parts/ elements must be done in drawing/ diagram
- To the point, bulleted answers with small paragraph against each bullet is preferred

Answer **any five** questions from the following:

20 x 5 = 100

1. What are different components of a collapsible gate through a neat sketch. Describe each component's function. Why is collapsible gate used what are its advantages and disadvantages?

2. What is the definition of a wall panelling? Why is a wall panelling used for? What are different materials which are used for wall panelling? Describe in detail construction details of wall panelling using two types of materials supported by sketches.

3. What is a pocket door? Why is it used? Draw the plan elevation and section of a sliding folding door with its construction details. The diagram should be properly labelled for its different components.

4. What is a curtain wall? Why is it so called? Why is it used in contemporary buildings? What are the essential characteristics and features of a curtain wall?

5. Describe in details two types of curtain wall construction? Use neat sketches, label the components of the curtain wall system and also show clearly some details of anchorage with the building?

6. What are the major components of a tensile structure? Explain each component for their details, forms, materials, design consideration etc. How is tensile structure different from a pneumatic structure?
