

BACHELOR OF ARCHITECTURE EXAMINATION, 2025
(B. Arch. 2nd year 2nd Semester)

SUBJECT: ARCHITECTURAL CONSTRUCTION- II

Time allotted: 3 Hours

Instructions:

- (1) Answer for 100 marks**
- (2) Use sketches wherever necessary**

- Q.01. Describe 'Dampness in Buildings'. Also describe the causes, symptoms and remedies of dampness in a building.
- What are the necessities for special protection for plinths of buildings? Draw a suitable sketch for a standard protective measure for the plinth of a building and label different parts of it. 25
- Q.02. Describe the method of construction of a simple arch. Make technical interpretation of a vault and a dome with reference to an arch.
- Using suitable sketches, describe various kinds of Windows. Draw details of construction of Vertically Sliding Windows 25
- Q.03. Draw with relevant detailings of any two different types of doors for use in buildings. Mention the different types of plastering that are usually undertaken in a building. Describe the process of plastering on walls. 25
- Q.04. Using suitable sketches, describe various kinds of Staircases. Show components and construction details of various parts of a typical staircase. Also show the arrangement of reinforcements in a concrete staircase slab and its landings. 25
- Q.05. Write short notes on (any two): (5 X 5) = 25
- (i) Construction of DPC
 - (ii) Architectural mouldings
 - (iii) Waist slab
 - (iv) Reinforcement arrangement in a beam supported at two fixed ends
 - (v) Ingredients and their quantities (per cu.m. of concrete) in 1:1.5:3 concrete
 - (vi) Fan-light window
 - (vii) Stiles and rails
 - (viii) Awning
 - (ix) Efflorescence
 - (x) Newel post