

**Total No. of Questions : 06**

**B. Architecture (2012 & Onwards) (Sem.-8)**  
**BUILDING CONSTRUCTION & MATERIALS-VII**

**Subject Code : BACH-802**

**M.Code : 72746**

**Time : 4 Hrs.**

**Max. Marks : 75**

**INSTRUCTIONS TO CANDIDATES :**

1. Attempt 3 questions in all with at least one question from each unit.
2. Assume any missing data/dimension. Assume suitable scale if not mentioned.

## UNIT-I

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|-----|--|----|
| Q1. | Design and detail out a shop counter (8.5 M long) with all the relevant details along with specifications. | 25 |
| Q2. | Design and draw suitable details for an 8 m long counter in a post office.                                 | 25 |

## UNIT-II

- |     |   |    |
|-----|---|----|
| Q3. | Design and detail out false ceiling and wall panelling for an Architect's Office (size 6m × 5m), clearly showing provisions for lighting fixtures, AC diffuser etc. | 25 |
| Q4. | Design and detail out false ceiling and wall panelling (with necessary acoustical treatment) for a conference hall of size 8m × 6m.                                 | 25 |

### UNIT -III

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|-----|---|
| Q5. | <p>a. Draw a detailed section from the basement wall of a building clearly showing all the necessary details of waterproofing treatment. 10</p> <p>b. Differentiate between extension joint and expansion joint. Draw different types of expansion joints in brickwork, RCC framed structure (Columns, beams and slab) 15</p> |
| Q6. | <p>What is prefabrication in building construction? Discuss prefabricated components along with their construction details. 25</p>  |

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**