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Roll No. ....

**G-4001**

**B. Arch. EXAMINATION, May 2018**

(Eighth Semester)

(B. Scheme) (Main & Re-appear)

(Arch.)

AR404B

**BUILDING CONSTRUCTION AND  
MATERIALS VIII**

*Time : 3 Hours]*

*[Maximum Marks : 75*

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Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

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**Note :** Attempt any *three* questions. Q. No. **1** is compulsory. All questions carry equal marks.

**(3-38/16)M-G-4001**

**P.T.O.**

1. Write short notes on any *five* of the following with suitable freehand sketches :
  - (a) Explain the following terms :
    - (i) Dimmers
    - (ii) Nickel steel
  - (b) Explain in detail the lighting schemes for living room and kitchen.
  - (c) What are the various processes involved in fabrication of glass ? Explain in detail.
  - (d) How will you provide thermal insulation for roofs, walls, exposed doors and windows ?
  - (e) What are different types of points ? Explain.
  - (f) Explain the factor to be considered for selecting materials for partition wall in architect office.
2. For a 5-star hotel lobby design a reception counter 20'-0" long and draw its details on suitable scale. Mention the specification of all materials.

3. Draw false ceiling plan and lighting layout of a banquet hall measuring 60'×30'. Draw all relevant details of false ceiling on suitable scale.
4. Design and draw the layout Plan of a bank with area of 1800 sqft. Draw all relevant details of manager cabin partition walls on suitable scale.
5. Design the draw the layout plan for a restaurant with area of 1500 sqft. Draw the electrical layout with false ceiling on suitable scale.