

B.Arch. Part-II 4th Semester Examination, 2007

**Materials & Details of Construction-IV**

(AR-402)

Time : 3 hours

Full Marks : 70

Answer Q.No.1 and any FOUR from the rest.

1. Draw suitable illustrative sketches showing single details of construction, for the following :
  - i) Partition Walls (Brick Masonry)
  - ii) False Ceilings (Suspended Type)
  - iii) Curtain Walls. [30]
2. What is Grading of Bitumen? Briefly describe with suitable sketches the Four Course Treatment.  
What is Grading of other Materials? Briefly describe with suitable sketches the Grading of Mud Pushka with tiles. [10]
3. Draw suitable illustrative sketches showing simple details of Water Proofing Treatment to Parapet Wall, Chajja and Window Sill. [10]
4. What is Formwork? What are the materials used in Formwork? Compare the advantages and disadvantages between Timber and Steel Formworks. [10]
5. Write short notes, for the following (any three) : [10]
  - i) Terrazzo Flooring
  - ii) External Wall Plastering
  - iii) White and Colour Washing
  - iv) Painting.
6. What is Adhesive? What are its different types? Briefly describe all its functions and properties. [10]

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*Each question includes marks for Neatness.*

