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SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Course & Branch: B.Arch

Title of the Paper: ** Building Materials and Construction - II

Max. Marks: 50

Sub. Code: 621205 (2008/09)

Time: 3 Hours

Date: 07/12/2010

Session: AN

PART – A

(5 x 4 = 20)

Answer ALL the Questions

1. Describe the classification of Bricks.
2. Enumerate the various types of bonds used in Brick masonry.
3. Discuss on types of brick arches.
4. Brief on the properties and qualities of clay tiles.
5. What are the advantages and disadvantages of rural material?

PART – B

(3 x 10 = 30)

Answer ALL the Questions

6. Draw neatly the T junction and cross junction between 1½ brick wall and 1 brick wall.
(or)
7. Explain the advantages and disadvantages of Reinforced Brick masonry, Cavity wall and Composite masonry.

8. Draw neatly a curved brick arch over an opening of 1.5m and specify its components.
- (or)
9. Draw neatly the following parts of a building using hollow clay blocks: (a) Walls (b) Roofs
10. Sketch neatly any one types of shallow and deep foundation and specify their parts.
- (or)
11. Explain the uses of rural materials in various parts of the building with neat sketches.