

SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Course & Branch: B. Arch

Title of the paper: ** Building Materials & Construction II

Semester: II

Max. Marks: 50

Sub.Code: 621205 (2006/2007)

Time: 3 Hours

Date: 21-05-2008

Session: FN

PART – A

(5 x 4 = 20)

Answer All the Questions

1. Explain in detail with sketches the cost effectiveness and advantages of rat trap bond?
2. Briefly explain the qualities of brick masonry.
3. Draft the various types of piers.
4. Where are the applications of reinforced brick masonry?
5. Explain the properties and applications of mud and hay in rural construction.

PART – B

(3 x 10 = 30)

Answer All the Questions

6. Draw and explain the different bonds in brick masonry.
(or)
7. Explain in detail junctions in brick masonry.
8. Draw and give details for various types of brick arches.
(or)
9. Explain the manufacturing process and qualities of clay products.

10. Explain with neat sketches the usage of hollow clay blocks in walls, roofs and partitions.
11. Explain the various applications of rural materials in various parts of the buildings constructed in rural areas.