

SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act,1956)

Course & Branch :B.Arch - ARCH

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

Max. Marks :50

Sub. Code :621205

Date :16/12/2009

Time : 3 Hours

Session :FN

PART – A

(5 x 4 = 20)

Answer All the Questions

1. Mention the rules of bonding in Masonry.
2. Explain the properties of a good brick.
3. What do you mean by Pier? Mention its applications.
4. What are the good qualities of clay?
5. Explain briefly the use of Rice Husk Ash.

PART – B

(3 x 10 = 30)

Answer All the Questions

6. Explain the various types of bonding in Brick Masonry with neat sketches.
- (or)
7. Explain the various manufacturing methods of brick with neat sketches and classify them.
 8. Explain the classification of arches with neat sketches and briefly outline the operations involved in the construction of arches.

(or)

9. Elaborate the manufacturing process of clay tile and list out the properties.
10. Describe the hollow clay block with a neat sketch.
(or)
11. Explain the properties of various rural materials that are used for construction. Also list out their applications.