

SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Course & Branch: B.Arch

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

Semester: II

Max.Marks: 50

Sub.Code: 621205(2008)

Time: 3 Hours

Date: 22-05-2009

Session: FN

PART – A

(5 x 4 = 20)

Answer ALL the Questions

1. Enumerate the qualities of good bricks.
2. What is meant by reinforced brickworks? When it is provided?
3. What are encaustic tiles? Describe their manufacturing process.
4. What are the functions of arches? What do you mean by ‘stability of arches’?
5. Write a critical note on using grass husk as construction material.

PART – B

(3 x 10 = 30)

Answer ALL the Questions

6. Explain by sketches the difference between English bond, double Flemish bond and single flemish bond.
(or)
7. Give sketches of the following brick works.
 - (a) T-junctions
 - (b) A60° squint junction
 - (c) Jambs
 - (d) Intersections

8. Explain the following by means of sketches: Segmental, Elliptical, Tudor, Dutch and Venetian arch.
(or)
9. Why are piers required in brickwork? Describe their type and shapes with the help of neat sketches.
10. Explain with neat sketches and state the properties and advantages of hollow clay blocks.
(or)
11. State the applications of Mud, Bamboo, coconut palm and hay in various parts of the building.

