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SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act,1956)

Course & Branch :B.Arch – ARCH

Max. Marks:50

Title of the Paper :** Building Materials & Construction – I

Sub. Code :621105 (2008-09)

Time : 3 Hours

Date :09/12/2011

Session :FN

PART - A

(5 x 4 = 20)

Answer ALL the Questions

1. Explain the various types of buildings as per NBC.
2. Explain the different components of a Building with sketches.
3. Explain the soil classification with sketches.
4. Explain the various types of building stones and their physical properties.
5. Explain the tests carried out to check the quality of stone.

PART – B

(3 x 10 = 30)

Answer All the Questions

6. Draw to suitable scale the cross section of a wall showing various building Components in plan and section, and explain the structural components in detail.
(or)
7. Explain the different types of foundation with sketches.
8. Explain the different types of stone masonry with sketches.
(or)

9. Explain the various types of stone finished and joints with sketches.
10. Draw the different types of Building material in sections.
(or)
11. Explain the following
 - (a) deterioration of stone
 - (b) preservation of stone