

SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Course & Branch: B.E - CIVIL

Title of the paper: Building Materials - II

Semester: II

Sub.Code: 620201

Date: 18-12-2007

Max. Marks: 80

Time: 3 Hours

Session: AN

PART A

(10 x 2 = 20)

Answer All the Questions

1. Name the tests available for measuring workability of concrete?
2. What are the different methods of transporting concrete?
3. What is Fiber Reinforced Concrete?/
4. What are the properties of polymer concrete?.
5. . Mention any three colouring substances used for glass.
6. Name a few alloys of aluminium.
7. What are the plastics?
8. What is meant by rigid plastic?
9. Name any four materials used for damp proofing.
10. What is distemper?

PART – B
Answer All the Questions

(5 x 12 = 60)

11. What do you mean by good quality concrete? Discuss the various aspects involved in achieving and ensuring good quality.
(or)
12. Explain how compressive strength of concrete can be found using BIS test.
13. Explain the methods of producing high density concrete and Enumerate its uses.
(or)
14. Write a comprehensive note on the composition, properties and Uses of polymer concrete.
15. Write the principal constituents of glass. What are the commercial forms of glass and their quality?
(or)
16. Explain the uses of aluminium as a building material.
17. Explain briefly the different classification of plastics.
(or)
18. Write the properties and uses of plastics.
19. What are the different types of paints? State the characteristics of good paint.
(or)
20. Explain the general characteristics of the water proofing compounds.