

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: 16-05-2007

Max. Marks: 80

Time: 3 Hours

Session: FN

PART – A

(10 x 2 = 20)

Answer ALL the Questions

1. Define cement concrete.
2. What is the difference between High – Performance Concrete and High Strength Concrete?
3. Write the properties of Soda – Lime glass.
4. Mention the uses of Plastics.
5. Write down the precautions to be followed during Transportation of concrete.
6. List out some special varieties of glass.
7. Write short notes on Paints.
8. List out some of the special concrete used for structural work.
9. Define Elastomers.
10. List some uses of Paints.

PART – B

(5 x 12 = 60)

Answer All the Questions

11. Discuss in detail the various methods of curing.
(or)
12. Briefly explain about the consolidation of concrete.
13. Write the properties and uses of Light Weight Concrete
(or)

14. Give a detail notes on Ferro cement Concrete.
15. Differentiate between
(A) Shielding glass and Structural
(B) Safety glass and Ultra violet glass
(C) Structural glass and Soluble glass.
(or)
16. Write short note on
(A) Aluminium Extrusion (B) Aluminium Foil
17. What are the following Plastics and where are they used in Building construction
(A) Polyvinyl Chloride (B) Perspex (C) Casin
(D) Formica (E) Fibre glass (F) Araldite.
(or)
18. What are the uses of Plastics in Building?
19. Write short notes on
(A) Water Proofing of Wet Areas (B) Water Proofing of Roofs
(or)
20. Write short note on
(A) Damp Proofing for Floors and Tanking for Basement.
(B) Damp Proofing for Walls above Ground Level.