

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: ET211(2004)

Date: 16-05-2007

Max. Marks: 80

Time: 3 Hours

Session: FN

PART – A

(10 x 2 = 20)

Answer ALL the Questions

1. What is meant by honeycombing of concrete?
2. What is the difference between pre-cast concrete and cast-in-situ concrete?
3. What are the advantages of using high density concrete?
4. Write short notes on polymer concrete.
5. Differentiate shielding glass and structural glass.
6. Mention some uses of aluminium in the construction industry.
7. What is F.R.P?
8. Write short notes on Urea formaldehyde?
9. What do you mean by Blistering?
10. What is meant by water proofing of concrete?

PART – B

(5 x 12 = 60)

Answer All the Questions

11. List out the precautionary measures that should be taken during placing of concrete.
- (or)
12. What are the different types of joints provided in a concrete structure? Discuss them in detail with a neat sketch.

13. What is meant by Ferro cement? Mention some of the advantages of Ferro cement.
(or)
14. What is meant by light weight concrete? Explain how do you manufacture light weight concrete?
15. Explain in detail the manufacturing process of glass.
(or)
16. Describe the various types of treatment given to glass.
17. What are the process involved in the fabrication of plastics?
(or)
18. What is polymerization? What are the various types of polymerization?
19. What is the objective of painting? What are the various characteristics of an ideal paint?
(or)
20. What are the different types of varnish? Explain the process of varnishing.