

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: 4ET211

Date: 18-12-2007

Max. Marks: 80

Time: 3 Hours

Session: AN

PART – A

(10 x 2 = 20)

Answer All the Questions

1. What are the different methods of curing?
2. Define workability of concrete.
3. Write short note on no-fines concrete.
4. Mention few applications of High-density concrete.
5. What do you mean by soluble glass?
6. Write short note on ultra-violet glass.
7. What are fibrous and laminated fillers?
8. Write short note on plasticizers.
9. Write short note turpentine.
10. Mention few methods of water proofing R.C.C. flat roof.

PART – B (5 x 12 = 60)
Answer ALL the Questions

11. Explain slump test in detail along with a neat sketch.
(or)
12. What is meant by proportioning of concrete? Describe the various methods by which concrete can be proportioned.
13. What is meant by polymer concrete? Write short notes on different types of polymer concrete.
(or)
14. Explain the details of manufacturing light weight concrete. Name some applications of light weight concrete in the construction industry.
15. Explain in detail the manufacturing process of glass.
(or)
16. Explain the various forms of aluminium used in the construction industry.
17. How do you classify plastics? Describe in detail the various classifications of plastics.
(or)
18. Explain in detail i) Extrusion moulding (ii) Injection moulding
19. What is the objective of painting? What are the various characteristics of an ideal paint?
(or)
20. What is meant by distempering? Explain the process of distempering.