

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: 09-12-2006

Max. Marks: 80

Time: 3 Hours

Session: AN

PART – A

(10 x 2 = 20)

Answer ALL the Questions

1. What are admixtures?
2. Define Water – Cement ratio.
3. What are the uses of fiber reinforced concrete?
4. Write short notes on pre-cast concrete.
5. What is the composition of glass?
6. Mention few types of treatment given to glass.
7. What is thermosetting plastic?
8. Write short notes on injection moulding.
9. What is the objective of water proofing?
10. What is the difference between Grinning and running?

PART – B

(5 x 12 = 60)

Answer ALL the Questions

11. Describe in detail the various methods by which concrete can be proportioned?
(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 polymer concrete? Discuss the different types of polymer concrete.

(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. What are the special varieties of glasses? Give a brief description on each of them.

17. How do you classify plastics? Describe in detail the various classifications 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 ingredients of oil borne paint? Describe them in detail.