

SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act,1956)

Course & Branch :B.E - CIVIL

Title of the Paper :Building Materials – II

Max. Marks :80

Sub. Code :620201

Time : 3 Hours

Date :17/05/2010

Session :FN

PART - A

(10 x 2 = 20)

Answer ALL the Questions

1. What are the properties of fresh concrete?
2. What are the methods used to determine the moisture content of aggregate?
3. What are the application of no fines concrete?
4. What are the factors affecting fibre reinforced concrete?
5. What are the properties of fibre glass?
6. What is meant by sol-gel glass?
7. What is vinyl plastic?
8. What is the main two classification of plastics?
9. What are the properties of plastic emulsions?
10. Write in brief about fire resistant paints.

PART – B
Answer All the Questions

(5 x 12 = 60)

11. (a) How does the shape of aggregate particles influence the properties of fresh concrete?
(b) Discuss the influence of aggregate grading on density of concrete.

(or)

12. Explain the various stages of manufacture of concrete.

13. Explain the various types of polymer concrete and its applications.

(or)

14. What is high density concrete? Explain its properties and applications.

15. Enlist the types of glass. Explain about its properties and uses.

(or)

16. What is meant by foam glass? Explain its properties and uses.

17. Explain about water proofing and damp proofing materials.

(or)

18. Explain about protective and decorative coatings.

19. How do you classify plastics? Explain with their applications.

(or)

20. In the present day scenario of green house gas emission and climate change, it is advisable to minimize the usage of plastics. How do you account for this? Justify.