

CE8404 CONCRETE TECHNOLOGY

Important 2 Mark Questions

Part-A

1. Write the advantages of Portland pozzolana cement.
2. Draw internal structure of earth.
3. What is mean by 53 grade cement?
4. Define admixtures
5. Explain what are chemical admixtures?
6. List any two advantages of Sulphate resistance Cement?
7. How do you Classify aggregates based on size and shape?
8. Define Flakiness Index and Elongation Index?
9. What is the purpose of adding an air entraining admixture to concrete?
10. What is bulking of sand? Why it is important?
11. Write the manufacturing process of cement.
12. Explain about Rapid hardening cement.
13. Write the properties of aggregates.
14. What is fresh concrete?
15. What are disadvantages of adding water to concrete?
16. What should be the qualities of water to be used in concrete making?
17. What are purposes of admixture?
18. What are the factors affecting amount of an air entrainment?
19. State the advantages and disadvantages of Super plasticizers in concrete?
20. Discuss briefly the effects of adding mineral admixtures to cement concrete.
21. Write any four method of proportioning
22. Write any four grades of cement concrete? And Brief?
23. What are the objectives of concrete mix design?
24. What are the applications of Plasticizers in concrete?
25. What are the applications of mineral admixtures to cement concrete?
26. What are the Principles of concrete mix design?
27. Define grades of concrete? And explain with examples?
28. What are the Mix design methods?
29. State the Importance of controlling workability.

30. Why does a concrete cylinder fail at a lower stress than a concrete cube?
31. What are the advantages of ring tension test?
32. State the advantages of Ready mixed concrete.
33. Enumerate SIFCON?
34. What are the effects of water cement ratio on concrete strength and durability?
35. Mention the factors which affect the strength of concrete
36. Name any four properties of hardened concrete?
37. Define high density concrete? What are the applications of heavy weight concrete?
38. Define High performance concrete?
39. What is polymer concrete?
40. List the advantages of geopolymer concrete.
41. Classify the different methods producing light weight concrete.
42. What is light weight concrete?