

- 1 List the various methods of mix design.
2. Name some methods of non-destructive testing of concrete.
3. What is the use of chemicals as retarders in concrete?
4. What are the tests available for fresh concrete as per Indian Code of Standards?
5. What does the grade of cement denote?
6. What are the raw materials used in the manufacture of cement?
7. List the various processes involved in the manufacture of concrete.
8. Define hydration of cement.
9. Write the ASTM classification of cement.
10. Differentiate dry and wet process of manufacturing of cement.
11. Differentiate English bond and Flemish bond.
12. Define scaffolding.
13. What are the types of scaffolding?
14. What is composite masonry?
15. What is ashlar masonry?
16. Write about zig – zag bond?
17. Define dampness.
18. What are the causes of dampness?
19. What are the types of damp proofing courses?
20. Write about centering.

UNIT 2

1. Define batching. What are the methods of batching?
2. Write notes on steam curing.
3. Define non destructive testing.
4. Write the requirement of supervision needed while concreting.

5. Write the uses of Rapid Hardening cement.
6. What is Sulphate Resisting cement.
7. Mention the grades of cement.
8. What are the equipments needed for transporting the concrete?
9. Define RMC.
10. Mention the significance of bond in masonry structures.
11. Define scaffolding.
12. State the main purpose of providing DPC in buildings.
13. Mention the advantages of slipforms.
14. What is the necessity of providing construction joints.
15. Write the common sizes of concrete hollow blocks used in buildings.
16. How are steel trusses fabricated and grouped?
17. Define slipforms.
18. What are the steps involved in site clearance?
19. Define the term masonry.

UNIT 3

1. Explain the various steps involved in the manufacture of concrete.
2. Explain any two tests for testing of fresh concrete.
3. What is meant by Non destructive Testing? Explain any one method in detail.
4. What are the factors to be considered for mix design? Explain the step by step procedure for IS method?
5. What are concrete chemicals? Explain in detail and discuss their uses.
6. Describe the processes in the manufacture of Ordinary Portland Cement.
7. Explain ACI method of mix design.
8. Explain the procedure for compression test on concrete.

9. Explain in detail the different types of curing of concrete.

10. Write in detail about RMC?

UNIT 4

1. Mention the significance of bond in masonry structures.

2. Define scaffolding.

3. State the main purpose of providing DPC in buildings.

4. Mention the advantages of slipforms.

5. What is the necessity of providing construction joints.

6. Write the common sizes of concrete hollow blocks used in buildings.

7. How are steel trusses fabricated and grouped?

8. Define slipforms.

9. What are the steps involved in site clearance?

10. Define the term masonry.

11. Differentiate English bond and Flemish bond.

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