

200

Register No.:

April 2024

Time - Three hours
(Maximum Marks: 100)

- [N.B. 1. Answer all questions under Part-A. Each question carries 3 marks.
2. Answer all the questions either (A) or (B) in Part-B. Each question carries 14 marks.]

PART - A

1. Mention the chemical composition of cement.
2. Why curing of concrete is important?
3. What are super plasticizers?
4. Define weigh batching.
5. Write the applications of fibre reinforced concrete.
6. Write the advantages of light weight concrete.
7. Differentiate pre tensioning and post tensioning.
8. List out various requirements of form work.
9. What are the main causes of cracks in building?
10. What is the function of contraction joints?

[Turn over.....

PART – B

11. (a) Explain about various classification of fine aggregate and coarse aggregate.

(Or)

(b) Explain about various types of concrete and its uses.

12. (a) Explain about various classifications of admixtures.

(Or)

(b) Write the procedure for design mix of concrete as per IS code method.

13. (a) Explain about polymer concrete.

(Or)

(b) Explain about various classifications of light weight concrete.

14. (a) Explain Freyssinet method of prestressing with neat sketch.

(Or)

(b) Explain about various materials used in form work.

15. (a) Explain about various types of cracking and its preventive measures.

(Or)

(b) Explain about the various methods of repairing concrete works.
