

Register No.:

1624

October 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. Name the different types of concrete based on grade.
2. Mention any three functions of water in curing.
3. Why admixtures are used for concreting?
4. Write about volume batching.
5. Write any three materials used in polymer concrete.
6. Write the advantages of light weight concrete.
7. What are the principles of pre stressing?
8. List the materials used for formwork.
9. Mention the different types of cracks.
10. What is the function of expansion joints?

[Turn over.....

PART - B

11. (a) Explain the ingredients of concrete.
(Or)
(b) Explain about the procedure for production of concrete.
12. (a) Describe any three types of admixtures with examples.
(Or)
(b) Explain about the mix design procedure by using I.S. Code method.
13. (a) Discuss about fiber reinforced concrete.
(Or)
(b) Explain the different types of materials used in light weight concrete.
14. (a) Explain about pre stressed concrete with neat diagram.
(Or)
(b) Discuss the points to be kept in mind before placing concrete in formwork.
15. (a) How the cracks are assessed? Also explain its preventive measures.
(Or)
(b) Explain the step by step procedure for carrying out repairing concrete works.
