Total number of printed pages-2

53 (CE 304) BMCN

2021

BUILDING MATERIALS AND CONSTRUCTION

Paper: CE 304

Full Marks: 100

Time: Three hours

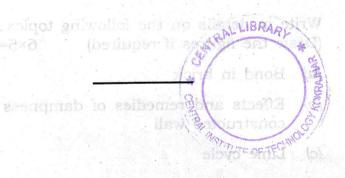
The figures in the margin indicate full marks for the questions.

Answer all questions.

- 1. Write in details on the following topics:
 (Draw the figures if required) 6×5=30
 - (a) Bond in brick
 - (b) Effects and remedies of dampness in constructed wall
 - (c) Lime cycle
 - (d) Source of lime and its classification
 - (e) Scaffolding.

Contd.

- 2. Explain in brief, the essential requirements of floor. Also enumerate various factors that affect the selection of floor a finish.
- 3. Draw plan and section of a typical dog-legged stair of RCC.
- 4. Classify the different types of foundation used in the practice. Explain in details about any one of them. 5+10=15
- 5. Explain different types of loads on the structure.
- 6. Write down and explain the different factors which affects the life of varnish.
- 7. What are the different constituents of cement? Explain with their percentage and importance.



100