

Total number of printed pages-2

53 (CE 304) BMCN

2018

**BUILDING MATERIAL 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 down the different types of heat-insulating material (*at least five*) and their functions. 15
2. Write down and explain the different factors which affect the life of varnish. 10
3. Write in details about different defects (*at least five*) of plywood as per IS303:1989. 10

*Contd.*

4. Explain various causes of dampness in building. What are ill effects of dampness in buildings ? 15
5. Difference between Flemish bond and English bond with a neat diagram. 10
6. What are the different constituents of cements ? Explain with their percentage and importance. 15
7. What are the compositions of paints ? Mention in details all the defects and solutions in paintings. 15
8. Write down short notes on the following :  
5×2=10
- (i) Curing of concrete
- (ii) Dog-legged stair.