

Total number of printed pages-2

53 (CE 304) BUMC

2019

**BUILDING MATERIALS
AND CONSTRUCTION**

Full Marks : 100

Time : Three hours

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

Answer **all** questions.

1. Write a note on "Method of Construction" of Cavity Walls. What precaution do you observe in its construction? 10
2. Classify the different types of foundations used in the practice. Explain in details about *any one* of them. 5+10=15
3. Write in details, the procedure of preparation of clay brick (draw the figure, if required) as per Indian Standard (IS 2117 : 1991). 15

Contd.

4. What are the composition of paints ?
Mention in details all defects and solutions
in painting. 15
5. Write in details about different defects (*at
least five*) of plywood as per IS 303 : 1989.
10
6. What do you mean by initial setting time in
concrete ? Discuss in details, the different
constituents of portland cement along with
their functions. 2+8=10
7. Write in details, on the following points :
(Draw the figure, if necessary) 5×5=25
- (a) Lime cycle
 - (b) Curing of concrete
 - (c) Dog-legged stair
 - (d) Differences between Lintel and Arches
 - (e) Scaffolding.