

**April 2019**

*Time - Three hours*  
*(Maximum Marks: 75)*

- (N.B: (1) Q.No. 8 in PART - A and Q.No. 16 in PART - B are compulsory. Answer any FOUR questions from the remaining in each PART - A and PART - B  
(2) Answer division (a) or division (b) of each question in PART - C.  
(3) Each question carries 2 marks in PART - A, 3 marks in Part - B and 10 marks in PART - C.)

PART - A

1. What are the uses of bricks?
2. Define (i)Quick lime and (ii)Slaked lime.
3. Write short notes on quick setting cement.
4. What are the uses of plywood?
5. What is meant by seasoning of timber?
6. What do you mean by paint and painting?
7. Define nano material.
8. Write any two precautions to be taken in the storage of cement.

PART - B

9. Write short notes on fat lime.
10. Enumerate any three functions of admixtures.
11. Explain any one defect in timber with a neat sketch.
12. Differentiate curtain wall and structural glazing.
13. What is meant by vehicle in an oil paint? Explain.
14. Differentiate washable and non washable distemper.
15. Write short notes on artificial sand.
16. Enumerate any three properties of a good building stone.

PART - C

17. (a) Explain in detail the classification of rocks.  
(Or)  
(b) Enumerate the qualities of a good brick.
18. (a) Define the term curing of concrete. Explain the various methods of curing.  
(Or)  
(b) Explain any three types of concrete with their properties and uses.
19. (a) Enumerate the qualities of a good timber.  
(Or)  
(b) Explain any four types of glass with their properties and uses.
20. (a) Enumerate the characteristics of a good varnish. What are its types? Explain.  
(Or)  
(b) Explain the various defects in painting.
21. (a) Explain the following with their properties and uses (i)P.V.C  
(ii)Stainless steel.  
(Or)  
(b) Explain in detail any five types of damp proofing material.

-----