

**October 2018**

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. Define bulk density.
2. What is the standard size of brick?
3. Name the constituents of mortar.
4. What do you mean by framed structure?
5. Name any two materials used for damp proofing.
6. Define a stair.
7. Define pebble dash.
8. What is underpinning?

**PART – B**

9. Describe the sources of lime.
10. What are the characteristics of good varnish?
11. Write the objectives of seasoning of timber.
12. What are the requirements of good foundation?
13. Explain any one type of stair with a sketch.
14. State the conditions to be followed while locating doors and windows.
15. What are the requirements of good formwork?
16. Define scaffolding and name any two types of scaffolding.

[Turn over.....

PART – C

17. (a) Explain the step by step procedure of manufacturing of bricks.  
(Or)  
(b) Explain the different types of cements.
18. (a) (i) Describe any two types of mortar.  
(ii) Write the uses of plastics.  
(Or)  
(b) State and explain the defects in timber with sketches.
19. (a) Explain the types of bonds used in brick masonry with sketches.  
(Or)  
(b) What are the causes of failure of foundation and their remedial measures?
20. (a) Explain the types of doors with sketches.  
(Or)  
(b) Describe the advantages of hollow blocks.
21. (a) Explain the two coats method of plastering.  
(Or)  
(b) Explain the types of shores with neat sketches.

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