

**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. Define porosity.
2. Write the chemical classification of rocks.
3. Define concrete.
4. What is super structure?
5. Name the types of plastics.
6. Define bond and name any two of its types.
7. Name any two types of roofs.
8. What are the objectives of plastering?

PART – B

9. What are the limits of deleterious materials allowed in water for construction?
10. Give some uses of lime.
11. What are the characteristics of good varnish?
12. What are the requirements of good foundation?
13. Define partition and name any two types of partition.
14. State the conditions to be followed for locating the doors and windows.
15. Write the objectives and uses of anti-termite treatment in buildings.
16. What is underpinning? List its types.

PART - C

17. (a) Explain the step by step procedure of manufacturing of bricks.

(Or)

- (b) (i) What are the uses of stones?  
(ii) Write the physical properties of cement.

18. (a) Explain the defects in timber with sketches.

(Or)

- (b) (i) Describe the functions of paint.  
(ii) What are the uses of plastics?

19. (a) Explain the types of shallow foundation with sketches.

(Or)

- (b) Explain the types of rubble stone masonry.

20. (a) Explain the types of stair cases with sketches.

(Or)

- (b) Explain in detail about the advantages of hollow blocks.

21. (a) Explain the types of scaffolding.

(Or)

- (b) (i) What are the requirements of good form work?  
(ii) Explain the method of white washing.

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