

312

October 2016

Time - Three hours
(Maximum Marks: 75)

- (N.B: (1) Answer any FIVE questions in each PART - A and PART - B.
Q.No. 8 in PART - A and Q.No. 16 in PART - B are compulsory.
(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: (i) Density (ii) Specific gravity.
2. State the uses of mortar.
3. Differentiate stone masonry and brick masonry.
4. Define bond and name any two of its types.
5. State the difference between escalator and lift.
6. What are the objectives of pointing?
7. Define form work and state the materials used for form work.
8. Define brick earth and write the composition of good brick earth.

PART - B

9. Describe briefly the classification of lime.
10. What are the characteristics of good varnish?
11. State the objectives and uses of foundation.
12. What are the requirements of good foundation?
13. State the condition to be followed for location of doors and windows.
14. Write the meaning of weathering course. Where it is used? Name the materials used for preparing weathering course.
15. State the objectives and uses of anti-termite treatment in buildings.
16. Define roof covering and state its objectives and uses in construction.

PART - C

17. (a) What are the requirements of good building stone?
(Or)
- (b) (i) Name the different types of cement used in construction.
(ii) Briefly explain the types of tiles.
18. (a) (i) Briefly explain the types of concrete.
(ii) List the types of paint used in building construction.
(Or)
- (b) State and explain the defects in timber.
19. (a) What are the points to be considered in the construction of brick masonry?
(Or)
- (b) (i) State the causes of failure of foundation.
(ii) What are the causes of dampness? State its effects.
20. (a) Sketch the panelled door and indicate its components.
(Or)
- (b) (i) Write short notes on:
(1) Granite flooring (2) Precast concrete flooring.
(ii) Briefly explain the construction of RCC roof.
21. (a) (i) Describe briefly the preparation and application of white washing over a surface.
(ii) What are the requirements of good formwork?
(Or)
- (b) Briefly explain flying shores with neat sketch.