

April 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. State the uses of stones.
2. State the functions of paint.
3. Write any four metals used in construction.
4. Define load bearing and framed structure.
5. Write down the permissible loads in brick masonry.
6. State the advantages of hollow blocks.
7. What are the objectives of plastering?
8. What are the grades of cement?

PART – B

9. Define: (i) Water absorption (ii) Bulk density (iii) Durability.
10. State the requirements of concrete.
11. Distinguish thermo and thermosetting plastics.
12. List any six tools used in stone masonry.
13. State the merits of lifts over stairs.
14. Briefly explain any two types of pointing.
15. Write short notes on colour washing.
16. Define partition. State its requirements.

PART – C

17. (a) (i) Briefly explain the classification of rocks.
(ii) State the advantages of adding pozzalana in cement.
(Or)
(b) List the different types of glass and briefly explain.
18. (a) (i) State the types of mortar. State its properties and uses.
(ii) Briefly explain the characteristics and uses of plastics.
(Or)
(b) Explain with neat sketch of RCC roof slab.
19. (a) Discuss briefly shallow foundation.
(Or)
(b) (i) Write short notes on:
(1) Coping (2) Plinth (3) Closer (4) Bat (5) Lap.
(ii) Write briefly about the function of water proofing materials.
20. (a) (i) Discuss any two types of windows.
(ii) Sketch and indicate the components of king post truss.
(Or)
(b) Discuss in detail the preparation and laying procedure of brick jelly concrete in weathering course.
21. (a) (i) Briefly explain the defects in plastering.
(ii) How is the white wash prepared?
(Or)
(b) Discuss in detail about under pinning.
