

793**October 2017**

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 conveyers? Write their uses.
2. What is humidity control?
3. Name the various systems of air conditioning.
4. Define fire hazard and fire load.
5. Name any two fire fighting equipments.
6. Define echo and reverberation.
7. What are the types of cracks in concrete?
8. Define lift car and lift well.

PART - B

9. Briefly explain passenger lift.
10. Differentiate between lift and escalator.
11. Explain any two comfort conditions in ventilation.
12. Write about cooling towers.
13. Explain wet risers.
14. What are the causes of fire?
15. Name any six sound absorption materials.
16. Explain any three maintenance work in buildings.

[Turn over.....

PART - C

17. (a) Draw a neat sketch of hospital elevator and explain its components.

(Or)

(b) With a neat sketch explain escalator and its components.

18. (a) Explain mechanical ventilation in buildings.

(Or)

(b) Explain split AC with a neat sketch.

19. (a) Write short notes on: (i) Fire escape routes (ii) Smoke detector.

(Or)

(b) Explain the different methods of fighting fire.

20. (a) Explain the practical consideration of noise control and sound insulation in buildings.

(Or)

(b) Prepare a sound insulation layout for a cinema theatre.

21. (a) Write the general precautions to prevent cracks in buildings.

(Or)

(b) Explain how water proofing works for flat concrete roofs are carried out.
