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Register No.:	

April 2019

<u>Time - ree hours</u> (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 buffer in lift car.
- 2. State the types of escalator.
- 3. Classify ventilation.
- 4. Define diffuser.
- 5. What is sprinklers?
- 6. Define noise to echo.
- 7. What is non structural cracks?
- 8. What are the causes of fire?

PART - B

- 9. What are the types of lift? Mention their location.
- 10. Differentiate lift and escalator.
- 11. Write about heating equipments.
- 12. What is the purpose of air filters and blowers?
- 13. State any three requirements of good acoustical materials.
- 14. Name any four sound absorption material.
- 15. Explain defects in buildings.
- 16. What are the different methods of fighting fire?

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PART - C

17. (a) Sketch the hospital lift and explain its components.

(Or)

- (b) Write the construction procedure for an escalator with sketch.
- 18. (a) Draw the split type air conditioning and explain.

(Or)

- (b) Write short notes on (i)Natural ventilation (ii)Cooling towers.
- 19. (a) Explain the code of safety and fire regulation.

(Or)

- (b) Write short notes on (i)Fire fighting equipments (ii)Fire escape routes and elements.
- 20. (a) What are the practical consideration of noise control and sound insulation of buildings?

(Or)

- (b) Prepare a sound insulation layout for a conference hall.
- 21. (a) Write the general precautions to prevent cracks in buildings.

(Or)

(b) What are the major causes of defects? Write about the prevention of defects in buildings.
