

863**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. What is buffer? What is its use in lift?
2. Define the types of ventilation.
3. What is air conditioning?
4. Name any two fire protection systems.
5. Write notes on smoke detectors.
6. Define acoustics and echo.
7. Name the types of cracks in concrete.
8. Define lift well.

PART – B

9. What are the types of lift? Mention their location.
10. State the uses of escalator.
11. What are blowers and diffusers?
12. State the principle of refrigeration.
13. Explain the types of fire hazard.
14. What are the characteristics of fire resisting material?
15. Explain acoustic defects.
16. What are the major causes of defects in buildings?

[Turn over.....

PART - C

17. (a) Explain the components of a lift with a neat sketch.
(Or)
(b) Write the construction procedure for an escalator.
18. (a) With a neat sketch explain window type air conditioner.
(Or)
(b) Write short notes on:
(i) Heating equipments (ii) Comfort conditions is ventilation.
19. (a) What are the causes of fire? How the spread of fire is controlled?
(Or)
(b) Explain any four fire fighting equipments.
20. (a) Explain any five sound absorption material.
(Or)
(b) Prepare a sound insulation layout for a seminar hall.
21. (a) Explain the classification of maintenance works in building.
(Or)
(b) How will you repair the following:
(i) Toilet sunken portion.
(ii) Rain water leakage in buildings.
