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Fifth Semester B. Arch. Degree Examination, Dec.2014/Jan.2015
Building Services - III

Time: 3 hrs.

Max. Marks:100

- Note: 1. Answer any TWO questions from Part – A and B.**
2. ONE question from Part – C.
3. Draw sketches wherever necessary.

PART – B

- 1 a. What is ductable package air conditioning system? Explain with sketches. (10 Marks)
 b. Explain split air conditioners, with neat sketches. (10 Marks)
- 2 a. Explain refrigeration cycle with the help of schematic diagram. (10 Marks)
 b. Explain various components of cooling load. (10 Marks)
- 3 Write short notes, with sketches :
 a. clean room
 b. air handling unit
 c. window air conditioner
 d. zoning. (20 Marks)

PART – B

- 4 a. Explain a traction lift, with the help of neat sketch. (12 Marks)
 b. Explain the quality and quantity of lift services. (08 Marks)
- 5 a. With neat sketches explain the working of an escalator. (12 Marks)
 b. Explain the various factors considered in grouping of elevators. (08 Marks)
- 6 Write short notes, with sketches :
 a. Travelators
 b. Double decker lift
 c. Entrance door
 d. Sky lobby. (20 Marks)

PART – C

- 7 a. Discuss the role of an architect in ensuring the fire safety in buildings. (10 Marks)
 b. List various types of fire extinguishers. Explain any two of them. (10 Marks)
- 8 Write short notes :
 a. Smoke detectors
 b. Fire escape staircase
 c. Fire protection for multistory buildings
 d. Fire hydrants. (20 Marks)
