

Total number of printed pages-3

43(5)B.Arch 5.6

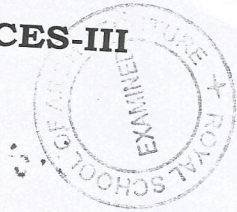
2017

BUILDING SERVICES-III

Paper : ARC-5.6

Full Marks : 100

Time : Three hours



The figures in the margin indicate full marks for the questions.

PART-A

(any 8)

1. Write short notes on the following : Each question contains **5** marks. 5×8=40
- (i) Smart Houses
 - (ii) Cassette Air Conditioners
 - (iii) Refrigeration Cycle
 - (iv) Window Air Conditioners
 - (v) Travelators
 - (vi) Traction lifts
 - (vii) Plenum System of Air Conditioning

Contd.

(viii) Air-water system of Air conditioning

(ix) Split Air Conditioners.

PART-B

(any 3)

2. Explain the construction and working principle of Hydraulic lifts. 10
3. What are the objectives of the Building Automation system ? Describe briefly the components required for working of the Automation system. 10
4. Discuss the functions of the components of the HVAC system. 10
5. Discuss the building Automation system designed for conference halls. 10

PART-C

(any 2)

6. Discuss the components and working principle of the Central Air Conditioning System, with the help of sketches. 15

7. Discuss the different types of automation system for security and safety installations of buildings. 15

8. Explain the distribution system in any Air conditioning system, along with its components, with illustrative sketches. 15