

Total number of printed pages-3

43(5) BUSR III 5·6

2016

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

Q. Write short notes on the following with the help of appropriate sketches : **(any 10)**

5×10=50

- (1) Smart Building
- (2) Air Conditioning cycle
- (3) Window Air Conditioners
- (4) Split Air Conditioners
- (5) Hydraulic lifts
- (6) Portable Air Conditioners

Contd.

- (7) Movable Walkways
- (8) Cassette Air Conditioners
- (9) Building Automation System for conference halls.
- (10) Air distribution system of HVAC system.
- (11) All Air system of Air Conditioning.

PART-B

- (12) Explain the different types of Automatic security installations for building. Explain the components of the same and show how the components are linked to each other. 10
- (13) Explain the construction and layout of different types of lifts, with the help of illustrative sketches. 10

Or

- (14) Explain the construction of escalators.
- (15) Discuss the components of Automatic Blinds and fans and establish their connections for working. 10

- (16) Discuss the functions of the components of the HVAC system. 10

Or

- (17) Discuss the Air-water system of Air conditioning. 10
- (18) Discuss the central Air conditioning system with the help of sketches. 10

Or

- (19) Discuss the components and construction process for building automation system for entrance doors and gates. 10