

No. of Printed Pages : 03

Roll No.

2053

B. Arch. EXAMINATION, May 2019

(Sixth Semester)

(Re-appear Only)

AR310G

Building Services–VI

Time : 2 Hours]

[Maximum Marks : 50

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. Make relevant sketches where necessary.

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P.T.O.

Unit I

1. (a) What do you understand by the term 'Thermal Comfort' ? 5
(b) Explain the factors that affect the thermal comforts. 5
2. (a) Explain the methods to enhance the natural ventilation. 5
(b) Support your answers with relevant examples. 5

Unit II

3. (a) Explain the principles of air conditioning. 5
(b) Explain the various types of air conditioners used in buildings. 5
4. Explain in detail the architectural considerations for air-conditioned buildings. Support your answers with relevant examples. 10

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Unit III

5. (a) What are the types of lifts used in buildings ? Give their sizes also. 5
(b) Explain the difference between lifts & escalators. 5
6. Explain the location and architectural considerations for installation of escalators in commercial buildings. Explain your answer with sketches of case-study. 10

Unit IV

7. (a) Explain the types of refrigerators used. 5
(b) Explain working of refrigerator. 5
8. (a) Explain the types of water coolers used in residences. 5
(b) Explain the working of water coolers. 5

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