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Roll No.

2053

B. Arch. EXAMINATION, May 2018

(Sixth Semester)

(Old Scheme) (Re-appear Only)

(ARCH)

AR310G

BUILDING SERVICES-VI

Time : 3 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. All questions carry equal marks. Support your answer with proper sketches.

(2-44/13) M-2053

P.T.O.

Unit I

1. Explain the factors which affect human comfort conditions. Draw Human comfort diagram and explain it with neat and clean sketches.
2. Differentiate between natural and mechanical ventilation systems.

Unit II

3. What is air-conditioning ? What is the principle of air-conditioning ? Briefly explain various methods of air-conditioning ?
4. Briefly explain how we can reduce the cooling load of a building by applying various Architectural design techniques ? Give examples.

Unit III

5. How we calculate the numbers of lift that will be adequate for vertical transportation in high-rise building as per NBC 2005. And also suggest lift location in such buildings.

6. Briefly describe components of Lift. Differentiate between Elevators and Escalators systems in buildings.

Unit IV

7. What is the principle of Refrigeration ? Explain various types of refrigeration units used in cold storage building.
8. Explain various components of water cooling unit in order.