

No. of Printed Pages : 03

Roll No.

2043

B. Arch. EXAMINATION, Dec. 2017

(Fifth Semester)

(Old Scheme) (Re-appear Only)

(ARCH.)

AR-309-G

BUILDING SERVICES-V

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. Make relevant sketches wherever necessary. Neatness carries due weightage.

(2-32/13) M-2043

P.T.O.

Unit I

1. Define the following acoustical terms : **10**
 - (a) Audible Range
 - (b) Octane Bond.
2. (a) What do you mean by leakage of sound ? **10**
 - (b) How can you prevent leakage of sound in interior of building ?

Unit II

3. What are the principles of Echo control used in design of auditorium ? **10**
4. What do you mean by import noise in buildings ? What are the method to prevent transmission of impart noise in buildings ? **10**

Unit III

5. What are the main causes of fire in buildings and how can you prevent it ? **10**

6. What are the principles of Fire-Safety Planning ? **10**

Unit IV

7. Explain the following aspects of Fire-Safety Planning : **10**
 - (a) Site Planning
 - (b) Compartmentation.
8. What do you mean by safe travel distance ? Explain its importance in Fire-safety of buildings. **10**