

**B.ARCH. SEM – IV (CBCS – 2015 COURSE) : WINTER -
2017**

SUBJECT : BUILDING SERVICES – II

Day : **Wednesday**
Date : **08/11/2017**

Time : **02.00 PM TO 04.00 PM**
Max. Marks : 60

W-2017-3242

N.B.

- 1) Attempt any **THREE** questions from each section.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.
- 4) Draw neat and labeled diagrams wherever necessary.

SECTION – I

- Q.1** Explain daylight availability with respect to site criteria, building configuration and building orientation. **(10)**
- Q.2** Explain the various side lighting strategies for daylighting. **(10)**
- Q.3** What are the various types of lamps for artificial lighting? **(10)**
- Q.4** Explain the advantages and disadvantages of natural lighting and artificial lighting. **(10)**
- Q.5** Write short notes on: **(10)**
- a) Sky condition
 - b) Direct and indirect lighting

SECTION – II

- Q.6** Explain general principles of acoustical design. **(10)**
- Q.7** Explain in brief various types of wiring systems used for residential. **(10)**
- Q.8** What is noise? Explain how to control indoor and outdoor noise. **(10)**
- Q.9** Explain the various protective devices used in residential buildings. **(10)**
- Q.10** Write short notes on: **(10)**
- a) Reverberation
 - b) Earthing

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