

B.ARCH. SEM – V (CBCS – 2015 COURSE) : WINTER - 2017
SUBJECT: BUILDING SERVICES-III

Day : **Thursday**
Date : **09/11/2017**

Time : **10.00 AM TO 12.00 PM**
Max Marks : **60**

W-2017-3244

N. B. :

- 1) Attempt **ANY THREE** questions from Section – I and Section – II.
 - 2) Draw neat and labeled diagram **WHEREVER** necessary.
 - 3) Answers to both the sections should be written in the **SEPARATE** answer books.
 - 4) Assume suitable data if necessary.
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SECTION - I

- Q. 1** Write short notes on the following: **(10)**
- a) Air filters
 - b) Effects of shading devices on air movement
- Q. 2** Explain stack ventilation with neat sketches. **(10)**
- Q. 3** Explain the term venturi effects with neat sketches. **(10)**
- Q. 4** Explain centrifugal fan and its applications in building industry. **(10)**

SECTION - II

- Q. 5** Write short notes on the following: **(10)**
- a) Different climatic conditions affecting on human comfort
 - b) Wind catchers
- Q. 6** Explain the term air cycle **(10)**
- Q. 7** What are the different types of Air Conditioning systems describe in brief? **(10)**
- Q. 8** Explain permeable building effect in natural ventilation. **(10)**

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