

B.ARCH. SEM – V (CBCS – 2015 COURSE) : SUMMER - 2019
SUBJECT: BUILDING SERVICES-III

Day : Wednesday
Date : 08/05/2019

S-2019-3715

Time : 10.00 AM TO 12.00 PM
Max Marks : 60

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) Refrigeration cycle
 - b) Wing wall and its importance in Natural ventilation
- Q. 2** Explain the different factors affecting the natural ventilation. **(10)**
- Q. 3** Explain with neat sketch the air cycle in air conditioning. **(10)**
- Q. 4** Explain how cross – ventilation is helpful in warm and humid climate. **(10)**

SECTION - II

- Q. 5** Write short notes on the following: **(10)**
- a) Solar chimney
 - b) Different type of fans
- Q. 6** What is air conditioning and write its application in building industry? **(10)**
- Q. 7** Explain duct systems in Air Conditioning. **(10)**
- Q. 8** Explain how positions of openings affect the natural ventilation. **(10)**

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