

BACHELOR OF ARCHITECTURE (CBCS - 2015 COURSE) B. Arch. Sem-
V : WINTER : 2021
SUBJECT: BUILDING SERVICES-III

Day :Wednesday
Date :29-12-2021

W-13550-2021

Time : 10:00 AM-12:30 PM
Max.Marks 60

N.B.

- 1) Attempt any **THREE** questions from section I and any **THREE** questions from section II.
- 2) Both the sections should be written in **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** Marks.
- 4) Assume suitable data and draw figures if necessary.

SECTION-I

- Q.1** Explain following terms with neat sketches. (10)
- a) Wing walls and its application in natural ventilation.
 - b) Stack ventilation
- Q.2** Explain different factors affecting on natural ventilation. (10)
- Q.3** Explain how cross ventilation strategy is helpful in warm and humid climate. (10)
- Q.4** Explain how positions of openings affects on natural ventilation. (10)
- Q.5** Explain in detail Evaporative cooling as ventilation strategy. (10)

SECTION-II

- Q.6** Write short notes on (10)
- a) Split air conditioner.
 - b) Central air conditioning system.
- Q.7** Explain refrigeration cycle and its components. (10)
- Q.8** Describe the application of air conditioning system in building industry. (10)
- Q.9** Explain axial type of fan and its application in building industry (10)
- Q.10** Explain ducting system in air conditioning. (10)

* * * * *