

F. Y. B.ARCH. SEM – II (2010 COURSE) : SUMMER - 2018
SUBJECT: HISTORY AND BUILDING SCIENCE II

Day : **Tuesday**
Date : **08/05/2018**

Time : **10.00 AM TO 1.00 PM**
Max. Marks : 100

S-2018-3318

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat sketches wherever necessary.
- 4) Answers to both the sections should be written in **SEPARATE** answer book.

SECTION-I

- Q.1** A) Match the column **[05]**
- | | |
|---|----------------------------|
| a) Eastern early Christian architecture | i) Romanesque architecture |
| b) Designs of shell work and foliage | ii) Gothic architecture |
| c) Flying buttresses | iii) Roman architecture |
| d) Forums | iv) Rococo architecture |
| e) Belfry tower | v) Byzantine architecture |
- B) Explain **ANY TWO** terms: **[05]**
- a) Apse
 - b) Chancel
 - c) Ambulatory

- Q.2** Draw plan and section of **ANY ONE** **[15]**
- a) Pont due Gard ,Aqueduct
 - b) Circus of Maximus

- Q.3** Explain illustratively. **[15]**
Discuss illustratively the comparative difference between English and French gothic cathedrals.

OR

Explain the architectural features of the eastern and western school of early Christian architecture.

- Q.4** Write short notes on the following: **[20]**
- a) Roman residential architecture
 - b) Abbeys and Monasteries
 - c) Baroque architecture

SECTION-II

- Q.5** Explain planning and design guidelines for buildings in Alternating type of climatic zone **[15]**

- Q.6** Answer **ANY TWO** of the following: **[15]**
- a) Role of courtyards in Hot- dry type of climatic zone
 - b) Explain stack effect with help of example and sketches.
 - c) Explain role of openings in ventilation

- Q.7** Write short notes on **ANY TWO** the following: **[10]**
- a) Degree of control
 - b) Wind scoop
 - c) Heat absorbing and other special glasses.