

**F. Y. B.ARCH. SEM – I (2010 COURSE) : WINTER - 2017**  
**SUBJECT: HISTORY I AND BUILDING SCIENCE I**

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

Time : **02.00 PM TO 05.00 PM**  
Max. Marks : 100

**W-2017-3246**

**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) Hieroglyphs      | i) west Asiatic  |
| b) Naos             | ii) pre historic |
| c) Tapering coloumn | iii) Greek       |
| d) Gallery graves   | iv) Minoan       |
| e) Hanging gardens  | v) Egyptian      |
- B) Explain **ANY TWO** terms: **[05]**
- a) Hypostyle hall
  - b) Tholos
  - c) Stoa

- Q.2** Draw plan and section of **ANY ONE** **[15]**
- a) Greek pasta house at Delos
  - b) Royal pyramid Gizeh

- Q.3** Explain the following with illustrations **[15]**  
What are archuate and trabeate system of construction? Giving examples from the various buildings in history you have studied, explain the advantages and disadvantages of the two.

**OR**

Describe the temple architecture in Egypt and illustrate its architectural characters.

- Q.4** Write short notes on the following: **[20]**
- a) Grid iron pattern
  - b) Doric order
  - c) Ziggurats

**SECTION-II**

- Q.5** Explain in detail factors affecting Macro climate along with sketches. **[15]**

- Q.6** Answer **ANY TWO** of the following: **[15]**
- a) Bioclimatic chart
  - b) Significance of studying climatology in Architecture
  - c) Explain proximity of hills and water bodies affecting Micro climate

- Q.7** Write short notes on **ANY TWO** the following: **[10]**
- a) Urban climate
  - b) Katabatic winds
  - c) Thermal comfort indices