

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

Day : **Thursday**
Date : **03/05/2018**

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

S-2018-3316

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) Catal Huyuk | i) Egyptian |
| b) Khorsabad | ii) Greek |
| c) Kahun | iii) Assyrian |
| d) Knosses | iv) Minoan |
| e) Priene | v) Neolithic |
- B) Explain **ANY TWO** terms: **[05]**
- a) Trabeate system
 - b) Sphinx
 - c) Menhir and Dolmen
- Q.2** Draw plan and section of **ANY ONE** **[15]**
- a) Cult temple at Karnak
 - b) Parthenon
- Q.3** Explain the following with illustrations **[15]**
Discuss the evolution of the Egyptian burial monuments from Mastabas to rock hewn tombs.
- OR**
- Explain with illustrations the Greek optical corrections.
- Q.4** Write short notes on the following: **[20]**
- a) Stonehenge
 - b) Pasta house
 - c) Pylon and obelisk

SECTION-II

- Q.5** Explain in detail factors affecting global climate along with sketches. **[15]**
- Q.6** Answer **ANY TWO** of the following: **[15]**
- a) Relation between Man, Climate and Architecture.
 - b) Instruments used for measuring Climatic elements.
 - c) What is Micro Climate? How is it related to building design.?
- Q.7** Write short notes on **ANY TWO** the following: **[10]**
- a) Explain bio – climatic chart and its significance in architecture.
 - b) What are thermal comfort Indices?
 - c) Explain the term 'Climate responsive design' with example.