

**S. Y. B.ARCH. SEM – III (2010 COURSE) : WINTER - 2017**  
**SUBJECT: HISTORY AND BUILDING SCIENCES-III**

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

**W-2017-3250**

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

**N.B:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer books.
- 4) Neat diagrams must be drawn **WHEREVER** necessary.

**SECTION-I**

- Q.1** Explain the following terms **ANY FOUR** of the following: **(20)**
- a) Hermika
  - b) Santhagar
  - c) Vimana
  - d) Urushringa
  - e) Suchi & Thaba
- Q.2** Answer **ANY ONE** of the following: **(10)**
- a) Give an illustrated brief comparative analysis of development of Rock-cut and structural temples during Early Chalukyan period.
  - b) Explain briefly with sketches salient features of Chola temple Architecture.
- Q.3** Write short notes on **ANY THREE** of the following: **(20)**
- a) Buddhist viharas
  - b) Vedic settlement patterns
  - c) Grainary at Mohenjo-daro
  - d) Jain temple architecture
- Q.4** Draw neat labelled sketches of **ANY ONE** of the following: **(10)**
- a) Ladh – Khan temple ( plan + section/ elevation)
  - b) Chaitya at Karle ( plan + section)

**SECTION-II**

- Q.5** Answer **ANY TWO** of the following: **(20)**
- a) Explain the various stages of water treatment in purification plants.
  - b) Explain the various methods of layouts of distribution pipes.
  - c) Explain the purpose & working of air valve.
- Q.6** Write short notes on **ANY FOUR** of the following: **(20)**
- a) Service Connection
  - b) Water Storage tanks
  - c) Solar Water Heating
  - d) Pipe materials used for supply of Water
  - e) Bell & spigot joint

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