

S. Y. B.Arch. SEM – III (2010 COURSE) : SUMMER - 2018
SUBJECT: HISTORY AND BUILDING SCIENCES – III

Day: Friday
Date: 04/05/2018

S-2018-3320

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

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to right indicate **FULL** marks.
- 3) Answer 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** (12)
- a) Sarvatobhadra
 - b) Vihara
 - c) Vimana
 - d) Garbha griha
 - e) Kalasha
- Q.2** Answer **ANY TWO** of the following: (20)
- a) Discuss the evolution of early temple form of Architecture.
 - b) Describe the Rock cut Architecture as seen at Mahabalipuram. How it was different from the rock cut architecture seen in the Northern parts of India.
 - c) Discuss in detail the Kandaria Mahadev temple at Khajuraho with respect to its planning and architectural features.
- Q.3** Write short notes on **ANY THREE** of the following: (18)
- a) Buddhist monastery
 - b) Chaumukh temple
 - c) Shore temple
 - d) Ajanta rock cut architecture
- Q.4** Draw neat labeled sketches of **ANY ONE**: (10)
- a) Plan of Lingaraj Temple
 - b) Plan and section of Virupaksha temple, Pattadakhal
 - c) Plan and section of Durga devi temple, Aihole

SECTION – II

- Q.5** Answer **ANY TWO** of the following: (20)
- a) Name any two materials commonly used for pipes and mention the advantages and disadvantages of each of them.
 - b) What are the important items to be included in the maintenance of distribution system of water supply?
 - c) Explain with help of sketches various joints used in cast-iron pipes.
- Q.6** Write short notes on **ANY FOUR** of the following: (20)
- a) Necessity of pumps for water supply project.
 - b) Circular method of layout of distribution pipes.
 - c) Galvanized iron pipes
 - d) Gravity conduits and pressure conduits
 - e) Air valves