

T. Y. B.ARCH. SEM – V (2010 COURSE) : SUMMER - 2019

SUBJECT: HISTORY AND BUILDING SCIENCES-V

Day: Thursday
Date: 09/05/2019

S-2019-3731

Time: 10.00 AM TO 01.00 PM
Max Marks: 100

N.B:

- 1) Question No 1 and 7 are **COMPULSORY**.
- 2) Solve any **FOUR** from Q. No 2, 3,4,5,6.
- 3) Solve any **TWO** from Q. No 8,9,10.
- 4) Answers to both the sections should be written in **SEPARATE** answer books.

SECTION-I

- Q.1** Explain in brief **ANY FOUR** of the following: **(20)**
- a) Cubism
 - b) De stijl
 - c) City beautiful Movement
 - d) Bauhaus
 - e) Arts and Crafts Movement
- Q.2** Describe Colonial Architecture in India. **(10)**
- Q.3** Describe the impact of Industrial Revolution of 19th century Architecture. **(10)**
- Q.4** Describe Hasan Fathy's Architecture with suitable examples. **(10)**
- Q.5** Explain the works of Indian master Architects like Charles Correa and B.V. Doshi. **(10)**
- Q.6** Explain residential Architecture of Peshwa period. **(10)**

SECTION-II

- Q.7** Write short notes on **ANY FOUR** of the following: **(20)**
- a) Shading devices
 - b) Stack effect
 - c) Circuit breaker
 - d) Direct lighting
 - e) Ducting system in HVAC
- Q.8** Explain Refrigeration cycle and its components. **(10)**
- Q.9** Explain different Ventilation strategies used in Hot and dry climate. **(10)**
- Q.10** Explain system of Artificial lighting with respect to office building. **(10)**

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