

S. Y. B.ARCH. SEM – IV (2010 COURSE) : WINTER - 2017

SUBJECT: HISTORY AND BUILDING SCIENCES – IV

Day: Friday
Date: 10/11/2017

W-2017-3252

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) Squinches
- b) Charbaug
- c) Minarets
- d) Calligraphy
- e) Miharab

Q.2 Answer **ANY TWO** of the following: (20)

- a) Explain the development of mosques and enlist the salient features of typical Mosques.
- b) Describe in detail the Humayun's Tomb complex.
- c) Explain provincial Pathan style and describe any one style in detail.

Q.3 Write short notes on **ANY THREE** of the following: (18)

- a) Birbal's house at Fatehpur Sikri
- b) Colonial Bungalows
- c) Step wells
- d) Types of Arches in Indo-Islamic Architecture

Q.4 Draw neat and labeled sketches of **ANY ONE**: (10)

- a) Plan and section of Gol Gumbaz, Bijapur
- b) Plan and section of Iltutmish Tomb, Delhi

SECTION – II

Q.5 Answer **ANY TWO** of the following: (20)

- a) Explain the various systems of sewerage.
- b) Explain various tests employed for testing of drains and pipes.
- c) Define a trap and state its function in house drainage system.

Q.6 Write short notes on **ANY FOUR** of the following: (20)

- a) Gully trap
- b) Anti-siphonage pipe
- c) Flushing cistern
- d) Bio-gas
- e) Storm water disposal