

B.ARCH. SEM – VII (CBCS – 2015 COURSE) : WINTER - 2018
SUBJECT: BUILDING CONSTRUCTION AND MATERIALS – VII

Day: Wednesday
Date: 28/11/2018

W-2018-3454

Time: 10.00 AM TO 1.00 PM
Max Marks. 60

N.B.

- 1) Q. No. 1 and Q. No. 6 is **COMPULSORY**.
 - 2) Solve any **TWO** questions from **Q. No. 2/3/4/5**
 - 3) Solve any **TWO** questions from **Q. No. 7/8/9/10**
 - 4) Answers to both sections should be written in **SEPARATE** answer sheets.
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SECTION - I

- Q.1** Write short notes on any **TWO** of the following **(10)**
- a) Folded plate.
 - b) CBRI.
 - c) Waterproofing in Basement.
- Q.2** Design an Auditorium for speech with capacity of 150 persons show seating plan. **(10)**
- Q.3** Explain different types of tensile structure with sketches. **(10)**
- Q.4** Explain the significance of retaining wall in basement construction. Explain any one type of it. **(10)**
- Q.5** Give the detail of construction of beam and infill slab for a classroom of size 7m × 10m. **(10)**

SECTION - II

- Q.6** Write short notes on any **TWO** of the following **(10)**
- a) Ventilation in basement.
 - b) Sightlines in Auditorium.
 - c) Drainage of basement floor.
- Q.7** Design a roof for industrial shed of size 25m × 55m in truss structure. **(10)**
- Q.8** Explain the consideration for balcony projection in the Auditorium. **(10)**
- Q.9** Explain access and elevators considerations for Multi basement construction. **(10)**
- Q.10** Explain the significance of modular co-ordination in the rehabilitation shelters. **(10)**