

## B.ARCH-SEMESTER III-INTERNAL EXAMINATION-2015

SUBJECT CODE: 1035002

SUBJECT NAME: BUILDING CONSTRUCTION-III

TIME: 01.00pm-04.00pm

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

DATE:02/11/2015

TOTAL MARKS: 40

- Q.1** Explain prefabrication in detail with relevant sketches. 04
- Q.2 (a)** Explain steel window in detail with relevant sketches. 03  
**(b)** Define dome & vault. Explain any one type of each in detail with neat sketches. 02
- Q.3** what is concrete? Explain curing of concrete. what to various mixes of concrete indicates? 04  
**OR**  
Explain what is steel with its types & uses. Enlist defects in steel & market form of steel.
- Q.4 (a)** What is trap? Enlist and sketch types of trap. 02  
**(b)** Write a short note on sanitary fixtures with sketches. 02  
**(c)** Explain with diagram soil & waste discharge system for multi storey building. 04  
**(d)** Draw schematic layout of water distribution system of water distribution system for 3 storey building. 04  
**(e)** Explain briefly hydrological cycle. 03
- Q.5 (a)** Explain types of timber floor in detail with relevant sketches. 04  
**(b)** Define roof, eaves & its types. Enlist types of roof covering. Compare GI sheet and AC sheet. 04  
**(c)** Sketch in detail the sectional elevation of king post and queen post roof truss. 04