



M-13073

Seat No. _____

B. Arch. (Sem. VI) Examination

May/June – 2018

Building Construction-VI

Time : 4 Hours]

[Total Marks : 80

- Instructions :** (1) Answer following questions with bulleted points only.
(2) Use appropriate sketches and diagram wherever possible.

- 1** Give design drawing and brief concept note of following **30**
construction : (any **two**)
(1) Design cost effective door for a house.
(2) Design wooden sliding window with glass panel.
(3) Develop formwork for Rammed earth wall construction at school.
- 2** Draw details with sketches of the following : (any **three**) **30**
(1) Draw detail Isometric sketch of the joint between post and lintel with wood-metal composite material.
(2) Draw retrofitting details of Horizontal Band and corner reinforcement in existing masonry structure.
(3) Draw detail section of Jack-arch floor.
(4) Draw a wall section of 'Dajji Diwari' construction practice in Kashmir.
- 3** Discuss at length with appropriate drawings and details : **20**
Draw and discuss the case of 'Kathkuni' construction system, considering integrated response to geographical conditions, earthquake forces and construction skills.

OR

Draw traditional "Barsankh" of Saurashtra region, with all elements and details, discuss its design significance considering role its play in buildings.