

No. of Printed Pages : 03

Roll No.

2001

B. Arch. EXAMINATION, Dec. 2017

(First Semester)

(Old Scheme) (Re-appear Only)

BUILDING CONSTRUCTION AND
MATERIALS-I

AR-103-G

Time : 3 Hours]

[Maximum Marks : 50

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Q. No. **1** is compulsory of 20 marks.

Attempt any *two* questions out of rest four questions of 15 marks each.

(2-63/7) M-2001

P.T.O.

1. Write short notes on the following :
 - (a) Draw brick closers with their uses – Queen closer, king closer, bevelled closer, mitred closer and bul nose
 - (b) Draw brick bats with their uses-half bat, three quarter bat, bevelled bat. **20**
2. (a) Draw elevation and course plans for 9" thick brick wall T-junction for English bond.
- (b) Draw elevation and course plans for 9" thick brick straight wall for Rat-trap bond. **15**
3. (a) Draw Plan, Elevation and overlapping courses of any one type of Brick Jalli.
- (b) Draw on a scale of 1:10 following arches- Semi-circular Arch and Pointed Arch ? **15**
4. (a) Draw and seven types of Brick masonry tools used for making a brick wall ? Also give its uses ?

- (b) Draw on a scale of 1 : 10 following arches-Three Centred Arch and Segmental Arch ? **15**

5. Write short notes on stone is a building material. What do you mean by the following ?
 - (a) Uncoursed Rubble Masonry
 - (b) Uncoursed Random Masonry
 - (c) Coursed Random Masonry. **15**