

Roll No.

Total No. of Pages : 01

Total No. of Questions : 07

B. Arch. (2012 & Onwards) (Sem.-1)
BUILDING CONSTRUCTION AND MATERIAL-I
Subject Code : BACH-102
M.Code : 45083

Time :4 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. There are total SEVEN questions. THREE questions from UNIT-I and FOUR questions from UNIT-II.
2. Attempt 2 questions from UNIT-I.
3. Attempt 2 questions from UNIT-II.
4. Answers should be suitably supported by illustrated examples.

UNIT I BUILDING MATERIAL (Maximum Marks: 25)

- 1) The knowledge of types, properties and market rates of bricks is must for Its effective utilization in building construction. Elaborate with suitable example.
- 2) The study, designing and effective application of lime mortar are vital for the efficient utilization in the buildings construction. Elaborate with a suitable example.
- 3) Elaborate on various types of surface finishes. Investigate and analyze the advantages and disadvantages of pointing with respect to north Indian condition. Explain with examples.

UNIT II BUILDING CONSTRUCTION (Maximum Marks: 45)

- 4) Elaborate on various types tools used in brick masonry. Draw details for any one.
- 5) Elaborate on various types of bonds in brick masonry. Draw details for any two.
- 6) Write a detailed note on various types of bats and closers in brick masonry. Draw details for any two types.
- 7) Explain lintel in brick masonry with neat sketch.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.