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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. Attempt two questions each from Unit I and Unit II.

UNIT-I

1. Outline the role played by Cement as a building material in construction. What are the types of cement used in construction, discuss their properties and usage? (12.5)
2. Write short notes on : (12.5)
a. Surkhi b. Pointing c. Bricks
3. Explain the various types of Stones used in construction and discuss their characteristics.

UNIT-II

4. Write short notes (with neat sketches) on following : (22.5)
a. Tools used in Brick Masonry.
b. Types of bats in Brick Masonry
c. L Junction of 9" thick wall in Flemish Bond.
5. Draw a Segmental arch for a span of 2.5m. Also label the important parts of an arch giving technical terms. (22.5)
6. Draw Plans and Elevation of T Junction of 9" thick wall with 13.5" thick wall in English Bond. (22.5)
7. Draw plan, elevation and section for : (22.5)
a. 450mm thick stone wall in coursed rubble masonry.
b. Ashlar masonry

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.