

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA

SEMESTER END EXAMINATIONS (SUPPLEMENTARY) DECEMBER - 2016

B.ARCH I YEAR I SEMESTER

BUILDING MATERIALS AND CONSTRUCTION – I (10110106)

Maximum Marks – 50

Time – 2.00 Hours

a) Answer any Two questions out of I to 4 questions.

b) Question No.5 is compulsory and answer any four out of six sub-questions.

- Q1. Enlist the different components of a building and (15M)
explain any three in brief.
- Q2. What is the composition of Cement? List out the (15M)
physical properties and uses of Cement.
- Q3. Explain the difference between Rock and Stone. (15M)
List the different types of Rocks available and
explain.
- Q4. What is the major naturally available material used (15M)
in building construction industry? Explain its
properties and uses. Explain the different types
based on the availability.
- Q5. Write short notes on any FOUR of the following. (4x5
=20M)
- 1) Water seasoning
 - 2) Objective of preservation of Timber, Types
of preservatives
 - 3) Difference between precast and cast-in-situ
system
 - 4) Calcination
 - 5) Physical properties of Metal
 - 6) Blow and Blow method (Blown Glass) with
neat sketches