

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA

SEMESTER END EXAMINATIONS (REGULAR), NOVEMBER-2015

B.ARCH, I YEAR I SEMESTER

BUILDING CONSTRUCTION – I (BC1)

Maximum Marks – 100

Time – 3.00 Hours

a) Answer any Four questions out of 1 to 7 questions.

b) Question No. 8 is compulsory and answer any four out of six sub-questions.

- Q1. What are the basic Building Materials used in the Construction of Buildings? Explain with neat sketches. (20M)
- Q2. Draw Plan, Elevation & Isometric View of 1-Brick thick English Bond of L - Junction to 1:10 Scale. (20M)
- Q3. Explain in Detail any one process in manufacturing of Brick. (20M)
- Q4. Draw Plan, Elevation & Isometric View in 1:10 Scale for Cross junction. (20M)
- Q5. Write five properties and five applications each of Cement and Glass in Building Industry. (20M)
- Q6. What is the role of Cement Concrete and explain its Constituents, grades & mix properties. (20M)
- Q7. Explain & Sketch Stretcher bond & Herring bone bond. (20M)
- Q8. Answer any four: (4x5=20M)
- (i) Pitch of roof.
 - (ii) Raft foundation.
 - (iii) Flemish Bond.
 - (iv) Queen post roof truss.
 - (v) Toothing.
 - (vi) Header Bond.
