

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA

SEMESTER END EXAMINATIONS (REGULAR), NOVEMBER-2015

B. ARCH, III YEAR, V SEMESTER

BC-5: BUILDING CONSTRUCTION

Time – 3.00 Hours

Maximum Marks - 100

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. Propose a suitable long span structure for a convention hall 25m x 125m in size. The answer shall be either drafted or supported with necessary sketches and details. **(20M)**
- Q2. What are the different types of trusses done in steel? Explain with neat sketches. **(20M)**
- Q3. Design false ceiling for a Kindergarten class room 5.0m x 6.2m in size. The design should be supported with reflective ceiling plan, sections, details and specifications. The answer shall be clear for execution on site. **(20M)**
- Q4. How can a wall be secured without damage, when there is a repair work being done adjacent to it. Explain with neat sketches. **(20M)**
- Q5. Explain in detail about resilient flooring with application and details. **(20M)**
- Q6. Explain in detail about timber/wood cladding with sketches. **(20M)**

Q7. Why is it important to understand the behaviour of underground strata before strengthening the foundation and explain its behaviour with respect to each different strata. **(20M)**

Q8. Write short notes with sketches on any four **(4x5 = 20M)**

- (i) Load taking mechanism between pratt and Howe truss.
- (ii) Terrazzo flooring.
- (iii) Acoustical Ceiling Grid Systems.
- (iv) Pneumatic structures.
- (v) Underpinning.
- (vi) GFRC.

