

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA

SEMESTER END EXAMINATIONS (SUPPLEMENTARY) DECEMBER - 2016

B. ARCH III YEAR V SEMESTER

BUILDING CONSTRUCTION (BC-5)

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. Classify false ceiling based on materials. Explain (20M)  
different components of false ceiling (with neat sketches).
- Q2. Draft or sketch the details of false ceiling for a bedroom (20M)  
of size 3.0M x 3.5M. Drawings should include reflective ceiling plan, section and any two details.
- Q3. What is Scaffolding in building construction? Draw a (20M)  
section for a 10M high commercial building with Glass facade.
- Q4. What is Formwork in concrete construction and what are (20M)  
the requirements for good formwork?
- Q5. What is IPS Flooring? Explain the installation process? (20M)  
List out various aspects to be considered before deciding the type of flooring.
- Q6. Explain the components of a steel truss with neat (20M)  
sketches. Explain various types of large span roofs.

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Q7. Explain with neat sketches details of construction of a cavity wall at foundation, plinth and sill levels. (20M)

Q8. Write short notes on any FOUR of the following: (4x5 = 20M)

- (i) Sketch the laying details of any natural stone flooring
- (ii) Advantages and disadvantages of doing false ceiling
- (iii) Suspended scaffolding
- (iv) Advantages and disadvantages of cavity walls
- (v) Sketch a section of any 2 parallel chord trusses
- (vi) Possible reasons for defects in buildings

