

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA

SEMESTER END EXAMINATIONS (SUPPLEMENTARY), JUNE - 2016

B. ARCH, II YEAR IV SEMESTER

BUILDING CONSTRUCTION (BC-4)

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.
 c) Support your answers with neat sketches.

- Q1. What is vernacular architecture? Describe various factors influencing vernacular architecture. Explain various materials and techniques used in vernacular construction. (20M)
- Q2. Sketch and explain construction sequence of a typical Kathkuni house. Write an explanatory note on the techniques involved in construction of walls and floors. Support your answers with suitable sketches. (20M)
- Q3. "Waste bottles can be used as alternative building material". Justify this statement with suitable sketches. (20M)
- Q4. Design a stone house of area 100-120 sqm in Chanderi, Madhya Pradesh. Provide all the required construction details with dimensions. (20M)
- Q5. List ten low cost building materials. Write about their raw materials, manufacturing process, sizes available and application. (20M)
- Q6. Describe different types of Earth construction. Explain any three types in detail with neat sketches. (20M)

P.T.O

Q7. Design a pavillion of area 30-50 sqm, which replicates vernacular architectural style and construction techniques of a state of your choice. Provide foundation, Wall, Floor and Roof details for the same. (20M)

Q8. Write short notes on any four of the following: (4 x 5 = 20M)

- i) Dhajji dewari
- ii) Flyash bricks
- iii) Filler slab
- iv) Bamboo construction
- v) Jute coir composites
- vi) GRC panels

