

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA

SEMESTER END EXAMINATIONS (REGULAR), MAY-2016

B. ARCH, II YEAR, IV SEMESTER

**BUILDING CONSTRUCTION (BC-4)**

Time – 3.00 Hours

Maximum Marks - 100

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- 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.
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- Q1. Write an explanatory note on the construction of filler slabs. Support your answer with required details and sketches. (20M)
- Q2. List down ten practitioners working with alternative building technology. Explain any one project of a practitioner of your choice in detail. (20M)
- Q3. Describe various structural components of a dhajji house with neat sketches Explain mall construction system in detail. (20M)
- Q4. Discuss various factors influencing Vernacular Architecture. Explain various materials & techniques used in Vernacular construction. (20M)
- Q5. List down various vernacular construction techniques used in different hilly regions of India. Explain Kathkuni construction technique in detail. (20M)
- Q6. List down different elements of stone houses of chanderi. Write an explanatory note on any two elements and provide their construction details. (20M)

P.T.O

Q7. What is flyash brick? Explain its manufacturing process through neat sketches. Write down five differences between a flyash brick and a conventional brick. (20M)

Q8. Write short notes on any four of the following:

(4 x 5 =  
20M)

- i) Rat – trap bond
- ii) Brick jaali
- iii) Earth bag construction
- iv) Compressed stabilized earth block
- v) Precast concrete panels
- vi) Arch foundation

