

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA

SEMESTER END EXAMINATIONS (REGULAR) APRIL – MAY - 2017

B. ARCH II YEAR IV SEMESTER

BUILDING MATERIALS AND CONSTRUCTION - IV (10110406)

Maximum Marks – 50

Time – 2.00 Hours

- a) Answer any *Two questions out of 1 to 4 questions.*  
b) *Question No.5 is compulsory and answer any four out of six sub-questions.*  
c) *Brief Answers and Explanation with sketches will be appreciated.*

- Q1. Briefly explain Jack Arch Floors. Draw and explain the construction of Brick Jack Arch Floor with specifications. (Assume necessary dimensions as per standards). (15M)
- Q2. Draw a neat sketch of a Dog legged staircase for a single floor with a head room, label its parts and sketch their details (Assume necessary dimensions as per standards). (15M)
- Q3. Define partition. Sketch and explain in detail the construction of an installed Gypsum board metal partition. (Assume necessary dimensions as per standards) (15M)
- Q4. What is pointing? Explain the methods and different types of pointing with necessary sketches. (15M)
- Q5. Write short notes on any FOUR of the following: (4x5= 20M)
- What is PVCN? Give the range of PVCN for different paints.
  - What are the defects that are found in painting work?
  - Write the advantages of Pre fabrication
  - What are Excavators? List different types of Excavators
  - What are the advantages and disadvantages of pre cast concrete Floors?
  - Write brief notes on spray painting.