



HDB-10764

Seat No. _____

B. Arch. (Sem. IX) Examination

November / December – 2017

Building Materials & Construction - VIII

(Part - 1 - Materials)

Time : 2 Hours]

[Total Marks : 80

- Instructions :**
- (1) Contextual understanding will be considered critically in assessment.
 - (2) Support your statement with necessary examples and sketches wherever necessary.
 - (3) Each question carries equal weightage of 20 marks.
 - (4) Attempt any four.

- 1 What are the different materials used in different large span structures ? Explain in brief with sketches.
- 2 Compare critically Tensile Structures and Tensegrity Structures as a system with necessary sketches.
- 3 Explain types, different uses and quality of metal cables used in cable tensile architecture.
- 4 Explain loads transfer system in Tensile Fabric Structure with necessary sketches.
- 5 Explain different aspects of bamboo as a material in large span structures.
- 6 Write a short note on evolution of cable suspension structure.