

**II B. Tech I Semester Supplementary Examinations, October/November - 2018**  
**BUILDING MATERIALS AND CONSTRUCTION**  
(Civil Engineering)

Time: 3 hours

Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)  
2. Answer **ALL** the question in **Part-A**  
3. Answer any **THREE** Questions from **Part-B**

~~~~~

**PART -A**

1. a) Define tile and state its classification.  
b) Distinguish English bond and Flemish bond.  
c) What is Reinforced Cement Concrete? What are its advantages over Plain cement concrete?  
d) What are differences between asphalt and bitumen?  
e) State the characteristics of a good paint.  
f) Explain what is meant by aggregate crushing value.

**PART -B**

2. a) Explain briefly about the manufacture of tiles.  
b) Write short notes on the process of burning of bricks in Intermittent kilns with neat sketch.
3. a) What are the requirements of good partition wall? Explain.  
b) Describe the ashlar stone masonry and state its uses in construction of structures.
4. a) Explain the stages of conveyance, placing compaction and curing of concrete in construction.  
b) Discuss various laboratory tests to be conducted on concrete.
5. a) Explain cement concrete flooring.  
b) Write short notes on: (i) Lean-to-roof. (ii) Collar roof.
6. a) State the differences between pointing and plastering.  
b) Why distempering should be preferred to white washing or colour washing?
7. a) What is bulking of sand? Explain briefly.  
b) Classify the aggregates based on shape and surface texture of aggregate.

