

Code No: RT21014

R13**SET - 1**

II B. Tech I Semester Supplementary Examinations, Oct/Nov- 2017
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**

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**PART -A**

1. a) What are the different types of tiles? (3M)
- b) What are the different types of masonry? (4M)
- c) What is Hydration? (3M)
- d) What are the different types of floors? (4M)
- e) What are the different types of paints? (4M)
- f) Define Specific gravity? (4M)

**PART -B**

2. a) Write about dressing of stone. (8M)
- b) What are the precautions to be taken while dressing a stone? Explain. (8M)
3. a) What is the purpose of a cavity wall? Explain. (8M)
- b) Explain in detail about English bond with sketches (8M)
4. a) What are the various laboratory tests for cement? (8M)
- b) Write about Vicat apparatus and Le-chatlier apparatus (8M)
5. a) What is the purpose of a lintel? (8M)
- b) Explain with a neat sketch about king post truss. (8M)
6. a) Explain various causes of dampness in buildings. (8M)
- b) What are ill effects of dampness in buildings? (8M)
7. Explain the classification of aggregate. Mention different tests for aggregates (16M)