

Code No: RT21014

R13**SET - 1**

II B. Tech I Semester Supplementary Examinations, May/June - 2016
BUILDING MATERIALS AND CONSTRUCTION
(Civil Engineering)

Time: 3 hours

Max. Marks: 70

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- 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) State the purpose of dressing of stones in quarry itself.
- b) Distinguish between English bond and Flemish bond.
- c) Explain different ways of classification of timber
- d) What is meant by slaking of lime and state its objects.
- e) State the need of soundness test of cement.
- f) Briefly explain Los Angeles test.

PART -B

2. a) Describe the characteristics of good building stones.
- b) Give an account of availability & uses of common building stones.
3. a) State and explain the decay of timber and its precautions.
- b) Write short notes on reinforced plastics.
4. a) Explain in brief the manufacture of lime.
- b) What are the various tests are conducted in the laboratory for the cement.
5. a) What are the advantages and disadvantages of pitched and flat roofs?
- b) Explain briefly the requirement of good staircase. How are treads and risers proportioned for a stair?
6. a) What is the necessity of plastering? What are the specifications of Plastering in wall construction?
- b) What do you understand by the term 'Scaffolding'? With a neat sketch describe in detail the brick layers Scaffolding
7. a) Explain different methods for measurement of moisture content of aggregates in brief.
- b) What is meant by grading of aggregate? Explain Standard grading curve.

