

Code No: R1621014

R16**SET - 1**

II B. Tech I Semester Supplementary Examinations, May - 2018
BUILDING MATERIALS AND CONSTRUCTION
(Civil Engineering)

Time: 3 hours
Marks: 70

Max.

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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 **FOUR** Questions from **Part-B**
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PART -A

1. a) Write the Characteristics of good tile
- b) Write the Defects in timber
- c) What are the various tests for concrete
- d) Discuss about Trussed roofs
- e) Write the purpose of Scaffolding
- f) Write the purpose of Sieve analysis

PART -B

2. a) Explain in detail manufacturing methods of Tiles?
- b) Discuss the comparative merits of various types of building units used for masonry.
3. a) Define the following terms; Header, Stretcher, Quoin closer.
- b) Write short notes on : i) Alternative materials for wood ii) Tests on cement
4. a) Explain the importance of Madras Terrace and Pre fabricated roofs
- b) Draw Coupled Roof
5. Draw King post Trusses and label parts
6. a) What is the purpose of a scaffolding?
- b) Differentiate between plastering and pointing.
7. a) Explain about Bond and Strength of aggregate
- b) Write the tests on aggregates