

Reg. No:

--	--	--	--	--	--	--	--	--	--

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech II Year I Semester (R16) Regular Examinations Nov/Dec 2017
BUILDING MATERIALS & CONSTRUCTION
(Civil Engineering)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 X 12 = 60 Marks)

UNIT-I

- 1 a Explain in detail the various characteristics of good building stone? 5M
 b Write down the defects in timber? And explain in detail defects that develop during growth of tree? 7M

OR

- 2 What are the operations involved in the manufacturing of bricks? Explain them? 12M

UNIT-II

- 3 Write down the manufacturing process of ordinary cement?
 A) Wet process B) Dry process 12M

OR

- 4 a What are the commercial forms of steel? Briefly explain 6M
 b Write down different constituents of paints? 6M

UNIT-III

- 5 a Explain in detail about the English bond in brick masonry? 6M
 b Write about the defects in brick masonry? 6M

OR

- 6 a Define Header and Stretcher? 2M
 b Explain about the shallow foundations? With neat sketches? 10M

UNIT-IV

- 7 a Write down in detail about the cement concrete flooring? 6M
 b Define 1) Sill 2) Horn 3) Top Rail 4) Lock Rail 5) Reveal 6) Mullion 6M

OR

- 8 a Write down different types of pitched roofs? And explain in detail about the trussed roofs with neat sketches? 10M
 b Define 1) Rafters 2) Hip 3) Valley 2M

UNIT-V

- 9 a Write down the requirements of good stair and explain it? 6M
 b Write short notes on various defects in plastering? 6M

OR

- 10 a Define lintel and write down different types of lintels? And explain it? 7M
 b Define 1) Newel post 2) Landing 3) Rise 4) Nosing 5) Riser 5M

***** END *****