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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B. Tech II Year I Semester Supplementary Examinations November- 2020

BUILDING MATERIALS & CONSTRUCTION

(CIVIL ENGINEERING)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a What are the constituents of good brick earth? 6M
b Explain characteristics of Good Building Stone in detail. 6M

OR

- 2 a Explain Intermittent kiln. 6M
b Explain Continuous kiln. 6M

UNIT-II

- 3 Explain briefly the manufacturing of cement (i) Dry process (ii) Wet process 12M

OR

- 4 a Write a short notes on Whitewash and color wash 6M
b Write a short note on Bitumen and Rubber 6M

UNIT-III

- 5 With the help of neat sketches explain the Flemish bonds and English bonds in brick masonry? 12M

OR

- 6 Explain, with the help of sketches, various types of foundations. 12M

UNIT-IV

- 7 a State briefly the essential requirements of a good roof. 6M
b What is trussed roof and purlin roof? 6M

OR

- 8 Give sketches of king post truss and queen post truss. Explain. 12M

UNIT-V

- 9 What is pointing and what are the different methods of pointing? 12M

OR

- 10 a Explain Steel lintels. 6M
b Explain Reinforced concrete lintels. 6M

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