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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR

(AUTONOMOUS)

B.Tech II Year I Semester Supplementary Examinations December-2021**BUILDING MATERIALS & CONSTRUCTION**

(Civil Engineering)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a List out all the methods of Quarrying and explain any two methods of quarrying in detail with neat sketch. L1 6M
- b Explain characteristics of Good Building Stone in detail. L1 6M

OR

- 2 a Explain briefly about classification of trees. L1 6M
- b Explain macrostructure of a tree. L1 6M

UNIT-II

- 3 Explain briefly the manufacturing of cement (i) Dry process (ii) Wet process L2 12M

OR

- 4 a Mention the usual defects which are found in the painting work. L1 6M
- b What are the factors that affecting physical properties of steel? L1 6M

UNIT-III

- 5 a Discuss various functions served by foundations. L1 6M
- b What are the requirements of a good foundation? L1 6M

OR

- 6 With the help of neat sketches explain the Flemish bonds. L2 12M

UNIT-IV

- 7 Explain the procedure of constructing the following types of flooring L2 12M
(i) mosaic flooring (ii) tiled flooring

OR

- 8 a How do you select the location of doors and windows? L1 6M
- b Write a note on flat roof and curved roof. L1 6M

UNIT-V

- 9 a Explain the following (i) Timber lintels (ii) Stone lintels L1 6M
- b What are the defects in plastering? Explain. L1 6M

OR

- 10 a What is pointing and what are the different methods of pointing? L1 6M
- b What are the requirements of a good stair? L1 6M

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