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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech II Year I Semester Supplementary Examinations August-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 sketches 8M
- b What are the precautions to be taken in the process of blasting? 4M

OR

- 2 a What are the constituents of good brick earth? 6M
- b State the harmful ingredients in brick earth? 6M

UNIT-II

- 3 a Explain the basic properties of cement? 6M
- b Write a short note on field tests on cement. 6M

OR

- 4 a Mention the characteristics of distempering? 6M
- b Write a note on the following (i) Whitewash, (ii) colour wash 6M

UNIT-III

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

OR

- 6 a Explain combined footing and continuous footing 6M
- b Write a brief note on deep foundations. 6M

UNIT-IV

- 7 Explain the method of constructing cement concrete flooring. What is the use of non-monolithic Finish and how it made? 12M

OR

- 8 Explain various types of doors? 12M

UNIT-V

- 9 Explain the following (i) Timber lintels, (ii) Stone lintels 12M

OR

- 10 Explain the following (i) Steel lintels, (ii) Reinforced concrete lintels 12M

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