R16

Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B. Tech II Year I Semester Supplementary Examinations August-2022
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 characteristics of Good Building Stone in detail.	L1	6M
	b	What are the precautions to be taken in the process of blasting?	L2	6M

OR

2	What are the defects in timber? Explain with neat sketches.	L2	12M

UNIT-II

3	a	Explain the basic properties of cement.	L1	6M
	b	Write a short note on field tests on cement.	L1	6M

OR

4	a	Mention the characteristics of distempering.	L1	6M
	b	What are the factors that affecting physical properties of steel?	L1	6M

UNIT-III

5	a	Explain combined footing and continuous footing.	L1	6M
	b	Write a brief note on deep foundations.	L1	6M

OR

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

UNIT-IV

7	Explain the following with neat sketches (i) Lean to roof (ii) couple roof	L2	12M

OR

8	a	Explain the madras terrace roofing.	L1	6M
	b	How do you select the location of doors and windows?	L1	6M

UNIT-V

9	a	Explain the types of mortars for plastering.	L1	6M
	b	What are the defects in plastering?	L1	6M

OR

10	Write a short note on the following (i) Straight stairs (ii) Continuous stairs (iii) Metal stairs	L2	12M

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