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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)**B. Tech II Year I Semester Supplementary Examinations November-2022**
BUILDING TECHNOLOGY

(Civil Engineering)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a Define foundation? What are the essentials of a good foundation? **L1 6M**
b Write the objectives of foundations and list the types of foundation. **L2 6M**

OR

- 2 What are various bonds in brick work? Describe briefly English bond and Flemish bond with neat sketches. **L2 12M**

UNIT-II

- 3 What are the methods of plastering? Explain. **L3 12M**

OR

- 4 What is the purpose of flooring and what are the materials used for construction? **L2 12M**

UNIT-III

- 5 List out the types in Pitched roof and explain briefly about King post and Queen Post Trusses with neat sketches. **L3 12M**

OR

- 6 a Explain briefly about Dog-legged stair case with neat sketch. **L1 6M**
b Plan a dog legged stair for a building in which the vertical distance between the floors is 3.6m. The stair hall measures 2.5m x 5m. **L3 6M**

UNIT-IV

- 7 a What are the functional requirements of a good ventilating system? **L2 6M**
b Describe briefly various types of filters for Air-conditioning. **L1 6M**

OR

- 8 a Describe briefly various types of Noises. **L1 6M**
b What are factors depending up the acceptable noise levels and list-out the acceptable noise levels in various buildings. **L2 6M**

UNIT-V

- 9 a Write the importance of security installations for various buildings. **L2 6M**
b Describe briefly micro switch and magnetic reed detectors. **L2 6M**

OR

- 10 What are the different types of electrical lifts? Describe briefly various methods of roping systems. **L3 12M**

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