

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR**  
(AUTONOMOUS)  
**B.Tech II Year I Semester Regular & Supplementary Examinations December-2023**  
**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? CO1 L1 6M  
b Write the objectives of foundations and list the types of foundation. CO1 L1 6M

OR

- 2 Differentiate between brick masonry and stone masonry. CO1 L4 12M

**UNIT-II**

- 3 Write short notes on Composite Flooring. CO2 L1 12M

OR

- 4 What are the methods of plastering? Explain. CO2 L2 12M

**UNIT-III**

- 5 List out types of windows and explain any four with neat sketches. CO4 L2 12M

OR

- 6 Explain the following doors briefly with neat sketches CO4 L2 12M  
i) Glazed door ii) Flush door

**UNIT-IV**

- 7 Summarize the Natural and Mechanical ventilation with neat sketches. CO5 L2 12M

OR

- 8 Summarize are the factors to be considered in the Acoustics of good building. CO5 L2 12M

**UNIT-V**

- 9 Describe briefly the factors to be considered for planning of lift installation in various civil engineering structures. CO6 L2 12M

OR

- 10 a What are infra-red detectors and discuss the working principle. CO6 L1 6M  
b Write brief note on lighting protection systems CO6 L1 6M

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