



Civil Engineering

Vision: “To impart quality technical education beneficial to industry and the society in the field of Civil Engineering.”.

- **Mission:** • To arrange academic and technical expertise.
 - To improve the practical knowledge of the student as per current scenario of industry.
 - To make the students socially and ethically responsible.

Assignment No :- 01

Subject : Building Construction

Topic Name :- Overview of Building Component

1. **Define: Foundation.**
2. **List any four components of superstructure with their function.**
3. **What is DPC? State its necessity.**
4. **Differentiate between load bearing structure and framed structure.**
5. **Define: Skirting**
6. **Draw a neat sketch of section of load bearing wall from foundation to parapet. Label its component parts.**
7. **State classification of building as per national building code, Part III 2005.**

Date of Submission :-

Assign By :- Mrs. Najnin Daryavardi



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Assignment No :- 02

Subject : Building Construction

Topic Name :- Construction of Sub Structure

1. **State Define: Foundation. State any two purpose of foundation.**
 2. **Define joblayout and site clearance.**
 3. **State any four precautions to be taken while marking layout on ground.**
 4. **Explain raft foundation with neat sketch and explain its suitability.**
 5. **Explain the foundation layout of load bearing structure by centre-line method**
 6. **Explain timbering and strutting in excavation with neat sketch.**
 7. **State the necessity of providing : i) Combined column footing
ii) Raft foundation**
 8. **Suggest relevant type of foundation with neat sketch for a residential building with Marshy soil at greater depth with justification and explanation.**
 9. **Enlist types of foundation & explain any one**
 10. **Difference between shallow foundation & explain any one**
 11. **Define cofferdam. State classifications of cofferdam.**
 12. **Define dewatering and explain the methods of dewatering.**
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Assignment No :- 03

Subject : Building Construction

Topic Name :- Construction of Super Structure

1. State various types of stone masonry
 2. Describe any eight characteristics of good stone masonry.
 3. Explain the terms used in stone masonry.
 4. Enlist tools and plants used for stone masonry construction.
 5. Define: Header, Strecher, facing and backing.
 6. State the types of bonds used in brick masonry.
 7. Comparision between English and Flemish bond.
 8. State any eight points you will observe in the construction of brick masonry.
 9. Comparision between Brick masonry and stone masonry.
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Assignment No :- 04

Subject : Building Construction

Topic Name :- Construction of Super Structure

1. Define the term navel post and headroom in vertical communication.
2. State the formation of window sill and lintel.
3. Draw a neat sketch of a fully paneled door .
4. Suggest suitable type of window for the following structure

Cinema hall, Cement godown, School, Sloping roof, Enclosed godown, Library, Bathroom, Hostel

5. Draw plan and elevation of dog legged staircase floor to floor height 3m.
 6. Different types of window explain any one.
 7. Types of door used in building construction.
 8. Enlist and draw various fixtures and fastening for door and window.
 9. Explain necessity and purpose of staircase.
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