

Basic Civil and Mechanical Engineering

Lecture Notes, Study Materials and Important questions answers

Subject : Basic Civil and Mechanical Engineering

UNIT I SCOPE OF CIVIL AND MECHANICAL ENGINEERING

UNIT II SURVEYING AND CIVIL ENGINEERING MATERIALS

1. Surveying and Principle of surveying - [Answer \(click here\)](#)
2. Instruments used for chain surveying - [Answer \(click here\)](#)
3. Calculation of Areas from offsets to a Base line - [Answer \(click here\)](#)
4. Compass survey - [Answer \(click here\)](#)
5. Theodolite survey - [Answer \(click here\)](#)
6. Levelling and Principle of leveling - [Answer \(click here\)](#)
7. Plane table survey - [Answer \(click here\)](#)
8. Stones - [Answer \(click here\)](#)
9. Bricks - [Answer \(click here\)](#)
10. Cement - [Answer \(click here\)](#)
11. Sand - [Answer \(click here\)](#)
12. Plain and Green concrete - [Answer \(click here\)](#)
13. Ferrous Metals - [Answer \(click here\)](#)

UNIT III BUILDING COMPONENTS AND STRUCTURES

1. Elements of a building - [Answer \(click here\)](#)
2. Basic requirements of a building - [Answer \(click here\)](#)
3. Planning For Building - [Answer \(click here\)](#)
4. Conventional spread footings: R.C.C. footings and Grillage footing - [Answer \(click here\)](#)
5. Arch foundation and Pile foundations - [Answer \(click here\)](#)
6. Stone masonry - [Answer \(click here\)](#)
7. Brick masonry - [Answer \(click here\)](#)
8. Beams and Columns - [Answer \(click here\)](#)

1st Year Mechanical Engineering Notes

Davis Langdon



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