

## **B-Tech in CIVIL ENGINEERING**

### **Semester I**

1	English-I
2	Indian constitution and Ethics
3	Mathematics – I
4	Chemistry
5	Electrical Technology
6	Mechanics
7	Introduction to Manufacturing Process
8	Chemistry (Practical)
9	Electro Technology (Practical)

### **Semester II**

1	English – II
2	Environmental Studies
3	Mathematics – II
4	Applied Physics
5	Fundamentals of Computers
6	Basic Electronics
7	Engineering Drawing and Graphics
8	Applied Physics (Practical)
9	Basic Electronics(Practical)

### **Semester III**

1	Mathematics – II
2	Water & Waste water Engineering
3	Hydraulics
4	Surveying
5	Transportation Engineering
6	Hydraulics(Practical)
7	Surveying (Practical)

## **Semester IV**

1	Society, Environment & Engineering
2	Building Construction
3	Structural Analysis
4	Advanced Surveying
5	Soil Mechanics
6	Structural Analysis (Practical)
7	Advanced Surveying (Practical)

## **Semester V**

1	Design of RC Structures
2	Foundation Engineering
3	River Engineering
4	Hydropower Engineering
5	Operation Research
6	Design of RC Structures (Practical)
7	Foundation Engineering (Practical)

## **Semester VI**

1	Design of Steel Structures
2	Advanced Structural Analysis
3	Environment Engineering
4	Advanced Foundation Engineering
5	Industrial Economics & Management
6	Advanced Structural Analysis (Practical)
7	Advanced Foundation Engineering (Practical)

## **Semester VII**

1	Irrigation Engineering
2	Pressed concert
3	Quantity Surveying & Contract & Tenders
4	Finite Element Method Engineering
5	Design of Industrial Structures & Bridge
6	Water Resources System & Planning
7	Valuation of Real Property

## **Semester VIII**

- 1 Highway Maintenance & Management System
- 2 Quantity Surveying & Control & Tenders (Practical)
- 3 Pressed Concert (Practical)
- 4 Structural Dynamic
- 5 Construction and Planning Management
- 6 Planning & Design of Airport
- 7 Structural Dynamic (Practical)
- 8 Project & Viva