

Civil Science (Civil/Tra/Construction)

III semester

06 MAT 31	Engineering Mathematics –III
06 CV 32	Materials of construction
06 CV 33	Strength of Materials
06 CV 34	Surveying –I
06 CV 35	Fluid Mechanics
06 CV 36	Applied Engineering Geology
06 CVL 37	Basic Material Testing Laboratory
06 CVL 38	Surveying Practice –I

IV Semester

06 MAT 41	Engineering Mathematics –IV
06 CV 42	Building Construction
06 CV 43	Structural Analysis –I
06 CV 44	Hydraulics and Hydraulic Machines
06 CV 45	Building Planning & Drawing
06 CV 46	Applied Engineering Geology
06 CV 47	Applied Engineering Geology Laboratory
06 CVL 48	Surveying Practice –II laboratory.

V Semester

Management & Entrepreneurship Management
Design of structures RCC
Structural Analysis –II
Geotechnical Engineering –I
Hydrology and water Resources Engineering
Transportation Engineering –I
Hydraulic and Hydraulic Machinery Lab
Computer Aided Design Lab

VI Semester

Environmental Engineering –I
Design & Drawing of RC structures
Transportation Engineering –II
Geotechnical Engineering –II
Irrigation Engineering & hydraulic Structures
Geotechnical Engineering Lab
Extensive Survey viva voce

Elective –I (Group A)

Matrix method of structural Analysis
Alternative Building Materials and Technologies
Advanced Surveying
Ground water Hydrology
Rural Water Supply and sanitation
Traffic Engineering

VII Semester

Environmental Engineering –II
Design of steel structures
Quantity surveying and Estimation
Design of Pre Stressed Concrete Structures
Environmental Engineering . Lab

Elective –II (Group B)

Theory of Elasticity
Advanced Design of RC Structures

Structural Dynamics
Earth and Earth Retaining Structures
Highway Geometric Design
Open Channel Hydraulics
Solid Waste Management

Elective –III (Group C)

Numerical Methods in Civil Engineering
Rock Mechanics
Pavement Materials and Construction
Photogrammetry and Remote sensing
Air Pollution and Control
Design and Drawing of Bridges
Design of Masonry Structures.

VIII Semester

Advanced Concrete Technology
Design and Drawing of Steel Structures
Project work
Seminar

Elective –IV (Group D)

Advanced Pre-stressed Concrete Structures
Advanced Foundation Design
Pavement Design
Earthquake Resistant Design of Structures
Industrial Waste Water Treatment
Quality Management System in Civil Engineering

Elective –V (Group E)

Finite Element Analysis
Reinforced Earth Structures
Urban transport Planning
Geographic Information System
Advanced Design of steel Structures
Design of Hydraulic Structures
Environmental Impact Assessment.