

B. E. CIVIL ENGINEERING PART I SEMESTER VII

SYLLABUS STRUCTURE

B. E. CIVIL ENGINEERING SEMESTER-VII

Sr. No.	Subject	Teaching scheme per week					Examination scheme				
		L	P	T	D	Total	Theory paper	TW	POE	OE	Total
1 ✓	Design of Concrete Structure - I	4	2	---	---	6	100	25	---	---	125
2 ✓	Earthquake Engineering	3	2	---	---	5	100	50	---	---	150
3 ✓	Quantity Surveying & Valuation	3	4	---	---	7	100	50	---	25	175
4 ✓	Project Management & Construction Equipments	3	2	---	---	5	100	25	---	25	150
5 ✓	Elective-I	3	2	---	---	5	100	25	---	---	125
6	Project	---	2	---	---	2	---	50	---	---	50
7	Report on Field Training #	---	---	---	---	---	---	25	---	---	25
Total		16	14	---	---	30	500	250	---	50	800

Assessment of Report on field training to be done by Project Guide along with Project Term Work Assessment Committee.

B. E. CIVIL ENGINEERING SEMESTER-VIII

Sr. No.	Subject	Teaching scheme per week					Examination scheme				
		L	P	T	D	Total	Theory paper	TW	POE	OE	Total
1	Design of Concrete Structure -II	4	2	---	---	6	100	25	---	---	125
2	Water Resources Engineering-II	3	2	---	---	5	100	25	---	25	150
3	Transportation Engineering-II	3	---	---	---	3	100	---	---	---	100
4	*Elective-II	3	---	---	---	3	100	---	---	---	100
5	**Elective-III	3	---	---	---	3	100	---	---	---	100
6	SDD-II	--	---	---	4	4	---	50	---	25	75
7	Project	--	6	---	---	6	---	75	75	---	150
Total		16	10	---	4	30	500	175	75	50	800

*Elective II from structure group

**Elective III from non-structure group



B. E. CIVIL ENGINEERING PART I SEMESTER VII



ELECTIVE -I

Sr. No.	Name of Subject
1.	Advanced Structural Analysis
2.	Experimental Stress Analysis
3. ✓	Advanced Foundation Engineering
4.	Advanced Traffic Engineering
5.	Open Channel Hydraulics
6. ✓	Advanced Engineering Geology
7.	Remote Sensing and GIS Applications in Civil Engineering
8.	Solid Waste Management
9.	Optimization Techniques
10.	Ground Improvement Techniques

B. E. CIVIL ENGINEERING PART II SEMESTER VIII

ELECTIVE -II: STRUCTURE GROUP



Sr. No.	Name of Subject
1.	Advanced Design of Concrete Structures
2.	Design of Industrial Structures
3.	Structural Design of Foundation and Retaining Structures
4.	Advanced Pre-stressed Concrete Design
5.	Design of Bridges
6.	Dynamics of Structures
7.	Finite Element Method

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B. E. CIVIL ENGINEERING PART II SEMESTER VIII



ELECTIVE -III: NON-STRUCTURE GROUP

Sr. No.	Name of Subject
1.	Pavement Analysis, Design and Evaluation
2.	Hydrology and Watershed Management
3.	Water Power Engineering
4.	Site Investigation, Methods and Practices
5.	Air Pollution and Control
6.	Industrial Waste Treatment
7.	Advanced Construction Techniques