

**SCHEME OF TEACHING & EXAMINATION  
BE CIVIL ENGINEERING  
III SEMESTER**

Sl. No	Subject Code	Title	Teaching Dept.	Teaching hours /week		Examination			
				Th.	Pr.	Duration	I.A. Max. Marks	Theory/ Pract. Max. Marks	Total Marks Max. Marks
1	10 MAT 31	Engineering Mathematics –III	Maths	4	--	3	25	100	125
2	10 CV 32	Building Materials and Construction Technology	Civil	4	--	3	25	100	125
3	10 CV 33	Strength of Materials	Civil	4	--	3	25	100	125
4	10 CV 34	Surveying – I	Civil	4	--	3	25	100	125
5	10 CV 35	Fluid Mechanics	Civil	4	--	3	25	100	125
6	10 CV 36	Applied Engineering Geology	Civil/Geo.	4	--	3	25	100	125
7	10 CVL 37	Civil Engg. Material Testing Laboratory	Civil	---	3	3	25	50	75
8	10 CVL 38	Surveying Practice – I	Civil	---	3	3	25	50	75
			<b>Total</b>	<b>22</b>	<b>08</b>	<b>24</b>	<b>200</b>	<b>700</b>	<b>900</b>

**SCHEME OF TEACHING & EXAMINATION  
BE CIVIL ENGINEERING  
IV SEMESTER**

S. No	Subject Code	Title	Teaching Dept.	Teaching hours /week		Examination			
				Th.	Pr.	Dur- ation	I.A. Max. Marks	Theory/ Pract. Max. Marks	Total Marks Max. Marks
1	10 MAT 41	Engineering Mathematics –IV	Maths	4	--	3	25	100	125
2	10 CV 42	Concrete Technology	Civil	4	--	3	25	100	125
3	10 CV 43	Structural Analysis – I	Civil	4	--	3	25	100	125
4	10 CV 44	Surveying – II	Civil	4	--	3	25	100	125
5	10 CV 45	Hydraulics and Hydraulic Machines	Civil	4	--	3	25	100	125
6	10 CV 46	Building Planning & Drawing	Civil	1	6	4	25	100	125
7	10 CVL 47	Surveying Practice-II Laboratory	Civil	---	3	3	25	50	75
8	10 CVL 48	Applied Engineering Geology Laboratory	Civil/Geo.	---	3	3	25	50	75
			<b>Total</b>	<b>21</b>	<b>12</b>	<b>25</b>	<b>200</b>	<b>700</b>	<b>900</b>

**SCHEME OF TEACHING AND EXAMINATION  
B.E. CIVIL ENGINEERING  
V SEMESTER**

Sl. No.	Subject Code	Title of the Subject	Teaching Dept.	Teaching Hrs / Week		Examination			
				Theory	Practical	Duration (Hrs)	Marks		
							IA	Theory / Practical	Total
1	10 AL 51	Management & Entrepreneurship	Any Dept.	04	-	03	25	100	125
2	10 CV 52	Design of RCC Structural Elements	Civil	04	--	03	25	100	125
3	10 CV 53	Structural Analysis – II	Civil	04	--	03	25	100	125
4	10 CV 54	Geotechnical Engineering. – I	Civil	04	--	03	25	100	125
5	10 CV 55	Hydrology and Irrigation Engineering	Civil	04	--	03	25	100	125
6	10 CV 56	Transportation Engineering – I	Civil	04	--	03	25	100	125
7	10 CVL 57	Hydraulics and Hydraulic Machinery Lab.	Civil	--	03	03	25	50	75
8	10 CVL 58	Computer Aided Design Lab.	Civil	--	03	03	25	50	75
<b>TOTAL</b>				<b>24</b>	<b>06</b>	<b>24</b>	<b>200</b>	<b>700</b>	<b>900</b>

**SCHEME OF TEACHING AND EXAMINATION  
B.E. CIVIL ENGINEERING  
VI SEMESTER**

Sl. No.	Subject Code	Title of the Subject	Teaching Dept.	Teaching Hrs / Week		Examination			
				Theory	Practical	Duration (Hrs)	Marks		
							IA	Theory / Practical	Total
1	10 CV 61	Environmental Engineering - I	Civil	04	--	03	25	100	125
2	10 CV 62	Design & Drawing of RC structures	Civil	02	03	04	25	100	125
3	10 CV 63	Transportation Engineering – II	Civil	04	--	03	25	100	125
4	10 CV 64	Geotechnical Engineering. – II	Civil	04	--	03	25	100	125
5	10 CV 65	Hydraulic Structures and Irrigation Design-Drawing	Civil	02	03	04	25	100	125
6	10 CV 66x	Elective-I (Group A)	Civil	04	--	03	25	100	125
7	10 CVL 67	Geotechnical Engineering. Lab.	Civil	--	03	03	25	50	75
8	10 CVL 68	Extensive Survey Viva Voce	Civil	--	03	03	25	50	75
<b>TOTAL</b>				<b>20</b>	<b>12</b>	<b>25</b>	<b>200</b>	<b>700</b>	<b>900</b>

**Elective-I (Group A)**

10 CV 661	Theory of Elasticity	10 CV 665	Ground Water Hydrology
10 CV 662	Alternative Building Materials and Technologies	10 CV 666	Rural Water Supply and Sanitation
10 CV 663	Ground Improvement Techniques	10 CV 667	Traffic Engineering
10 CV 664	Advanced Surveying		

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VII SEMESTER**

Sl. No.	Subject Code	Title of the Subject	Teaching Dept.	Teaching Hrs / Week		Duration (Hrs)	Examination		
				Theory	Practical		IA	Marks	
								Theory / Practical	Total
1	10 CV 71	Environmental Engineering.-II	Civil	04	--	03	25	100	125
2	10 CV 72	Design of Steel Structures	Civil	04	--	03	25	100	125
3	10 CV 73	Estimation and Valuation	Civil	04	--	03	25	100	125
4	10 CV 74	Design of Pre Stressed Concrete Structures	Civil	04	--	03	25	100	125
5	10 CV 75x	Elective-II (Group B)	Civil	04	--	03	25	100	125
6	10 CV 76x	Elective-III (Group C)	Civil	04	--	03	25	100	125
7	10 CVL 77	Environmental Engineering. Lab	Civil	--	03	03	25	50	75
8	10 CVL 78	Concrete and Highway Materials lab.	Civil	--	03	03	25	50	75
<b>TOTAL</b>				<b>24</b>	<b>06</b>	<b>24</b>	<b>200</b>	<b>700</b>	<b>900</b>

**Elective-II (Group B)**

10 CV 751	Matrix Method of Structural Analysis
10 CV 752	Advanced Design of RC Structures
10 CV 753	Design of Masonry Structures
10 CV 754	Earth and Earth Retaining Structures
10 CV 755	Highway Geometric Design
10 CV 756	Open Channel Hydraulics
10 CV 757	Solid Waste Management

**Elective-III (Group C)**

10 CV 761	Numerical methods in Civil Engineering
10 CV 762	Rock Mechanics
10 CV 763	Pavement Materials and Construction
10 CV 764	Photogrammetry and Remote Sensing
10 CV 765	Air Pollution and Control
10 CV 766	Design and Drawing of Bridges.: * (2 Hrs of Theory + 3 Hrs of Drawing) * (Exam Duration : 4 Hrs)
10 CV 767	Structural Dynamics

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VIII SEMESTER**

Sl. No.	Subject Code	Title of the Subject	Teaching Dept.	Teaching Hrs / Week		Duration (Hrs)	Examination		
				Theory	Practical		IA	Marks	
								Theory / Practical	Total
1	10 CV 81	Advanced Concrete Technology	Civil	04	--	03	25	100	125
2	10 CV 82	Design and Drawing of Steel Structures	Civil	02	03	04	25	100	125
3	10 CV 83x	Elective-IV (Group D)	Civil	04	--	03	25	100	125
4	10 CV 84x	Elective-V (Group E)	Civil	04	--	03	25	100	125
5	10 CV 85	Project Work	Civil	--	06	03	100	100	200
6	10 CV 86	Seminar	Civil	--	03	03	50	--	50
<b>TOTAL</b>				<b>14</b>	<b>12</b>	<b>19</b>	<b>250</b>	<b>500</b>	<b>750</b>

**Elective-IV (Group D)**

10 CV 831	Advanced Pre-stressed Concrete Structures
10 CV 832	Advanced Foundation Design
10 CV 833	Pavement Design
10 CV 834	Earthquake Resistant Design of Structures
10 CV 835	Industrial Waste Water Treatment
10 CV 836	Construction Management & Engineering Economics.

**Elective-V (Group E)**

10 CV 841	Finite Element Analysis
10 CV 842	Reinforced Earth Structures
10 CV 843	Urban Transport Planning
10 CV 844	Geographic Information System
10 CV 845	Advanced Design of Steel Structures
10 CV 846	Water Resources Engineering
10 CV 847	Environmental Impact Assessment

