

Symbiosis Institute of Technology
Civil Engineering

SEMESTER III												
Subject Code	Subject	Nature of Subject	Examination Scheme Marks							Total Credits	Total Marks	
			L	T	Lab	Practical		CA	ESE			
							Int	Ext				
07215301	Engineering Mathematics III	ID	4	2	0	0	0	0	50	75	5	125
07215302	Solid Mechanics	C	4	0	0	0	0	0	40	60	4	100
07215303	Fluid Mechanics I	C	4	0	0	0	0	0	40	60	4	100
07215304	Surveying I	C	3	0	0	0	0	0	30	45	3	75
07215305	Building Construction & Materials	C	3	0	0	0	0	0	30	45	3	75
07215306	Engineering Geology	C	3	0	0	0	0	0	30	45	3	75
07215307	Solid Mechanics Lab	C	0	0	2	10	15	0	0	0	1	25
07215308	Fluid Mechanics I Lab	C	0	0	2	10	15	0	0	0	1	25
07215309	Surveying I Lab	C	0	0	2	10	15	0	0	0	1	25
07215310	Building Construction & Materials Lab	C	0	0	2	10	15	0	0	0	1	25
07215311	Engineering Geology Lab	C	0	0	2	10	15	0	0	0	1	25
07215312	Disaster Management	PD	3#	0	0	0	0	0	75#	0	3#	75#
		Total	21	2	10	50	75		220	330	27	675

SEMESTER IV												
Subject Code	Subject	Nature of Subject	Examination Scheme Marks							Total Credits	Total Marks	
			L	T	Lab	Practical		CA	ESE			
							Int	Ext				
07215401	Structural Analysis-I	C	4	0	0	0	0	0	40	60	4	100
07215402	Building Design & Drawing	C	4	0	0	0	0	0	40	60	4	100
07215403	Fluid Mechanics II	C	4	0	0	0	0	0	40	60	4	100
07215404	Surveying-II	C	3	0	0	0	0	0	30	45	3	75
07215405	Concrete Technology	C	3	0	0	0	0	0	30	45	3	75
07215406	Numerical Methods and Computer Application	ID	2	0	0	0	0	0	20	30	2	50
07215407	Building Design & Drawing Lab	C	0	0	2	10	15	0	0	0	1	25
07215408	Fluid Mechanics II Lab	C	0	0	2	10	15	0	0	0	1	25
07215409	Surveying-II Lab	C	0	0	2	10	15	0	0	0	1	25
07215410	Concrete Technology Lab	C	0	0	2	10	15	0	0	0	1	25
07215411	Numerical Methods and Computer Application Lab	ID	0	0	2	10	15	0	0	0	1	25
07215412	Liberal Arts	GP	1	0	0	0	0	0	25	0	1	25
		Total	21	0	10	50	75		225	300	26	650

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SEMESTER V											
Subject Code	Subject	Nature of Subject	Examination Scheme Marks							Total Credits	Total Marks
			L	T	Lab	Practical		CA	ESE		
						Int	Ext				
07215501	Structural Analysis-II	C	4	0	0	0	0	40	60	4	100
07215502	Transportation Engineering-I	C	4	0	0	0	0	40	60	4	100
07215503	Water Resources Engineering - I	C	4	0	0	0	0	40	60	4	100
07215504	Water Supply Engineering	C	3	0	0	0	0	30	45	3	75
07215505	Structural Design-I	C	4	0	0	0	0	40	60	4	100
07215506	Applied Hydraulics	C	3	0	0	0	0	30	45	3	75
07215507	Structural Analysis-II Lab	C	0	0	2	10	15	0	0	1	25
07215508	Water Supply Engineering Lab	C	0	0	2	10	15	0	0	1	25
07215509	Structural Design-I Lab	C	0	0	2	10	15	0	0	1	25
07215510	Applied Hydraulics Lab	C	0	0	2	10	15	0	0	1	25
		Total	22	0	08	40	60	220	330	26	650

SEMESTER VI											
Subject Code	Subject	Nature of Subject	Examination Scheme Marks							Total Credits	Total Marks
			L	T	Lab	Practical		CA	ESE		
						Int	ext				
07215601	Waste Water Engineering	C	3	0	0	0	0	30	45	3	75
07215602	Soil Mechanics	C	4	0	0	0	0	40	60	4	100
07215603	Construction Techniques & Management	C	4	0	0	0	0	40	60	4	100
07215604	Structural Design-II	C	4	0	0	0	0	40	60	4	100
07215605	Transportation Engineering - II	C	3	0	0	0	0	30	45	3	75
07215606	Water Resources Engineering - II	C	3	0	0	0	0	30	45	3	75
07215607	Waste Water Engineering Lab	C	0	0	2	10	15	0	0	1	25
07215608	Soil Mechanics Lab	C	0	0	2	10	15	0	0	1	25
07215609	Structural Design-II Lab	C	0	0	2	10	15	0	0	1	25
07015610	Transportation Engineering – II Lab	C	0	0	2	10	15	0	0	1	25
07215611	Water Resources Engineering – II Lab	C	0	0	2	10	15	0	0	1	25
		Total	21	0	10	50	75	210	315	26	650

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SEMESTER VII											
Subject Code	Subject	Nature of Subject	Examination Scheme Marks						Total Credits	Total Marks	
			L	T	Lab	Practical	CA	ESE			
						Int	Ext				
07215701	Industrial Training	C	0	0	0	0	0	400	0	16	400
07215702	Seminar	C	0	0	0	0	0	100	0	4	100
		Total	0	0	0	0	0	500	0	20	500

OR

SEMESTER VII											
Subject Code	Subject	Nature of Subject	Examination Scheme Marks						Total Credits	Total Marks	
			L	T	Lab	Practical	CA	ESE			
						Int	Ext				
07215703	Earth structures		4	0	0	0	0	40	60	4	100
07215704	Water Power Engineering		4	0	0	0	0	40	60	4	100
07215705	Project		0	0	0	0	0	150	0	6	150
07215706	Industrial Visit		0	0	0	0	0	150	0	6	150
		Total	8	0	0	0	0	380	120	20	500

SEMESTER VIII											
Subject Code	Subject	Nature of Subject	Examination Scheme Marks						Total Credits	Total Marks	
			L	T	Lab	Practical	CA	ESE			
						Int	Ext				
07215801	Foundation Engineering	C	4	0	0	0	0	40	60	4	100
07215802	Structural Design - III	C	4	0	0	0	0	40	60	4	100
07215803	Quantity Surveying and Valuation	C	3	0	0	0	0	30	45	3	75
07215804	Elective-I	C	3	0	0	0	0	30	45	3	75
07215805	Elective-II	C	3	0	0	0	0	30	45	3	75
07215806	Structural Design – III Lab	C	0	0	2	10	15	0	0	1	25
07215807	Quantity Surveying and Valuation Lab	C	0	0	2	10	15	0	0	1	25
07215808	Project	PD	0	0	12	60	90	0	0	6	150
07215809	Seminar	GP	0	0	0	0	0	50	0	2	50
		Total	17	0	16	80	120	220	255	27	675

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ELECTIVES FOR SEMESTER VIII											
Subject Code	ELECTIVE – I	Nature of Subject	Examination Scheme Marks						Total Credits	Total Marks	
			L	T	Lab	Practical		CA			ESE
						Int	Ext				
07215811	Advanced Design of steel structures	C	3	0	0	0	0	30	45	3	75
07215812	Industrial waste Treatment	C	3	0	0	0	0	30	45	3	75
07215813	Design of Hydraulic Structures	C	3	0	0	0	0	30	45	3	75
07215814	Systems Approach in Civil Engg	C	3	0	0	0	0	30	45	3	75

ELECTIVES FOR SEMESTER VIII											
Subject Code	ELECTIVE - II	Nature of Subject	Examination Scheme Marks						Total Credits	Total Marks	
			L	T	Lab	Practical		CA			ESE
						Int	Ext				
07215815	Advanced Design of RCC Structures	C	3	0	0	0	0	30	45	3	75
07215816	Advance water Treatment	C	3	0	0	0	0	30	45	3	75
07215817	Project Planning	C	3	0	0	0	0	30	45	3	75
07215818	Pavement Design & Construction	C	3	0	0	0	0	30	45	3	75

All the students of B. Tech. will study one inter institutional course of 2 credits during semester III and semester IV

L- Lecture , T-Tutorial,

C - Core Subject

ES - Engineering Science Subject

GP - General Proficiency Subject

ID - Inter Disciplinary Subject

PD - Professional Development Subject

CA- Continuous Assessment, ESE- End Semester Examination

Practical, CA, ESE are separate heads of Passing

Int- Internal (Practical)

Ext- External (Practical)

Practical external examination may be conducted by alternate internal faculty

- Credits Over & above 200