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Scheme of Study of the Program

Bachelor of Technology-Civil Engineering (B.Tech-CE) Semester-I, II, III, IV, V, VI, VII & VIII (Batch 2018-2022)

Semester I – Scheme of Study

S.No	Name of the Subject	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA	Attendance
1	Communicative English *	3	3	100	70	20	5	5
2	Engineering Mathematics -I \$	4	4	100	70	20	5	5
3	Environment & Ecology *	3	3	100	70	20	5	5
4	Basic Electrical Engg. #	3	4	100	70	20	5	5
5	Computer Programming #	3	4	100	70	20	5	5
6	Engineering Graphics #	3	4	100	70	20	5	5
	Practical							
7	Basic Electrical Engg. Lab #	2	3	50	35	5	5	5
8	Computer Programming Lab #	2	3	50	35	5	5	5
9	Engineering Graphics Lab #	2	3	50	35	5	5	5
10	Workshop Practice Lab #	2	3	50	35	5	5	5
	TOTAL	27	34	800	560	140	50	50

Semester II – Scheme of Study

S.No	Name of the Subject	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA	Attendance
1	Science, Society & Ethical Value	3	3	100	70	20	5	5
2	Engineering Mathematics-II	3	3	100	70	20	5	5
3	Engineering Mechanics	3	3	100	70	20	5	5
4	Engineering Physics	4	4	100	70	20	5	5
5	Engineering Chemistry	4	4	100	70	20	5	5
6	Elements of Mechanical Engg.	4	4	100	70	20	5	5
	PRACTICAL							
7	Engineering Mechanics Lab	2	2	50	35	5	5	5
8	Engineering Physics Lab	2	2	50	35	5	5	5
9	Engineering Chemistry Lab	2	2	50	35	5	5	5
10	Elements of Mechanical Engg. Lab	2	2	50	35	5	5	5
	Total	29	29	800	560	140	50	50

SEMESTER-III

S.No	Name of the Subject	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA	Attendance
1	Fluid Mechanics	3	3	100	70	20	5	5
2	Biology for Engineers	3	3	100	70	20	5	5
3	Building Material & construction	3	3	100	70	20	5	5
4	Basic Surveying	3	3	100	70	20	5	5
5	Mechanics of solid	3	3	100	70	20	5	5
6	Mathematics-III	4	4	100	70	20	5	5
	PRACTICAL							
7	Fluid Mechanics Lab	1	2	50	35	5	5	5
8	Basic Surveying Lab	1	2	50	35	5	5	5
9	Mechanics of solid-I Lab	1	2	50	35	5	5	5
10	Civil engineering Drawing Lab	2	4	50	35	5	5	5
	TOTAL	24	29	800	560	140	50	50

SEMESTER-IV

S.No	Name of the Subject	Credit	Contact Hours Per Week	Total Mark s	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA	Attendance
1	Concrete Technology	3	3	100	70	20	5	5
2	Engineering Geology	3	3	100	70	20	5	5
3	Geotechnical Engineering I	3	3	100	70	20	5	5
4	Structural analysis I	3	3	100	70	20	5	5
5	Advance Surveying	3	3	100	70	20	5	5
6	Civil Engineering – Societal & Global Impact	3	3	100	70	20	5	5
7	Management I Organizational Behaviour Operation research & Technique	0	0	100	70	20	5	5
	PRACTICAL							
8	Concrete Technology	1	2	50	35	5	5	5
9	Engineering Geology	1	2	50	35	5	5	5
10	Geotechnical Engineering-I	1	2	50	35	5	5	5
11	Advance Surveying	2	4	50	35	5	5	5
	TOTAL	23	28	800	630	160	55	55

SEMESTER V

S.No	Name of the Subject	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory / Practic al Exam	CIA	Attendance
1	Hydraulic Engineering	3	3	100	70	20	5	5
2	Structural analysis II	3	3	100	70	20	5	5
3	Hydrology & Water Resources Engineering	3	3	100	70	20	5	5
4	Environmental Engineering	3	3	100	70	20	5	5
5	Transportation Engineering-l	3	3	100	70	20	5	5
6	Professional Practice, Law & Ethics	3	3	100	70	20	5	5
7	Mandatory Courses Constitution of India Essence of Indian Traditional Knowledge	0	0	100	70	20	5	5
	PRACTICAL							
8	Hydraulic Engineering Lab	1	2	50	35	5	5	5
9	Structural analysis II Lab	1	2	50	35	5	5	5
10	Transportation Engineering-I Lab	1	2	50	35	5	5	5
11	Environmental Engineering-l Lab	1	2	50	35	5	5	5
	TOTAL	22	26	900	630	160	55	55

SEMESTER VI

S.No	Name of the Subject	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practica I Exam	Mid Term Theory/ Practical Exam	CIA	Attendance
1	Construction Engineering & Management	3	3	100	70	20	5	5
2	Engineering Economics & Estimation Costing	3	3	100	70	20	5	5
	Elective-I							
3	Geotechnical Engineering-II	3	4	100	70	20	5	5
	Advanced foundation Engineering							
	Elective-II							
4	Environmental Engineering-II	2	2	100	70	20	5	5
	Remote Sensing	. 3	3					
	Open Elective-I							
5	Transportation Engineering-II			100	70	20	5	5
	Rural Water Supply & Sanitation	3	3					
	Elective-III							
6	Design of Steel Structure-I			100	70	20	5	5
	Repair and rehabilitation of Buildings	3	3					
	TOTAL	18	19	600	420	120	30	30

SEMESTER VII

S.No	Name of the Subject	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA	Attendance
	Elective-IV							
1	Design of Hydraulic Structure Solid Waste Management	3	3	100	70	20	5	5
	Elective-V							
2	Design of steel structure -II Flood and Drought	3	3	100	70	20	5	5
	Open Elective-II Traffic Engineering-II	-						
3	Earthquake Resistant construction & Design	3	3	100	70	20	5	5
4	Ground water Improvement Technique	3	3	100	70	20	5	5
	PRACTICAL							
7	Industrial Training	2	4	50	35	15		
5	Project-I (Minor Project)	6	12	100	70	20	5	5
	TOTAL	20	28	550	385	115	25	25

SEMESTER VIII

S.No	Name of the Subject	Credit	Contact	Total Marks	End Term	Mid Term	CIA	Attendance
			Week	IVIAL KS	Practical	Practical		
					Exam	Exam		
1	Elective-VI	3	3	100	70	20	5	5
	Pre-stress Concrete Design							
	Bridge Engineering							
2	Elective-VII	3	3	100	70	20	5	5
	Industrial Waste Treatment							
	Environmental Impact							
	Assessment							
3	Open Elective-III	3	3	100	70	20	5	5
	Civil Engineering Drawing using Auto Cad							
	Application of Numerical Method in Civil							
	PRACTICAL							
7	Project-II (Major Project)	6	12	100	70	20	5	5
	TOTAL	15	21	400	280	80	20	20