



CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI (C.G.)
SCHEME OF TEACHING AND EXAMINATION
M.E./M.Tech. IST SEMESTER CIVIL ENGINEERING

S. No	Board of Study	Subject Code	Subject	Periods per week			SCHEME OF EXAMINATION			TOTAL MARKS	Credit L+[(T+P)/2]
							THEORY / PRACTICAL				
				L	T	P	ESE	CT	TA		
1	CIVIL ENGG	520111(20)	Advanced Solid Mechanics	3	1	-	100	20	20	140	4
2	CIVIL ENGG	520112(20)	Modern Construction Materials	3	1	-	100	20	20	140	4
3	CIVIL ENGG	520113(20)	Advanced Geotechnical Engineering	3	1	-	100	20	20	140	4
4	CIVIL ENGG	520114(20)	GIS and Remote Sensing	3	1	-	100	20	20	140	4
5	ELECTIVE - I			3	1	-	100	20	20	140	4
6	CIVIL ENGG	520121(20)	Advanced Material Testing Lab	-	-	3	75	-	75	150	2
7	CIVIL ENGG	520122(20)	GIS and Remote Sensing Lab	-	-	3	75	-	75	150	2
			Total				650	100	250	1000	24

ELECTIVE – I			
S.No	. Board of Study	Subject Code	Subject
1	Civil. Engg	520131(20)	Finite Element Method
2	Civil. Engg	520132(20)	Structural Dynamics
3	Civil. Engg	520133(20)	Wind Effect on Structures

Note – 1) 1/4th of total strength of students is required to offer an elective in the college in a Particular academic session .

2) Choice of elective course once made for an examination cannot be changed in future examinations.



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S.No	Board of Study	Subject Code	Subject	Periods per week			SCHEME OF EXAMINATION			TOTAL MARKS	Credit L+[(T+P)/2]
				L	T	P	ESE	CT	TA		
							THEORY / PRACTICAL				
1	CIVIL ENGG	520211(20)	Design of Hydraulic Structures	3	1	-	100	20	20	140	4
2	CIVIL ENGG	520212(20)	Advanced Design of RCC & Steel Structures	3	1	-	100	20	20	140	4
3	CIVIL ENGG	520213(20)	Soft Computing Techniques in Civil Engineering	3	1	-	100	20	20	140	4
4	CIVIL ENGG	520214(20)	Advanced Environmental Engineering	3	1	-	100	20	20	140	4
5	ELECTIVE- II			3	1	-	100	20	20	140	4
6	CIVIL ENGG	520221(20)	Soft Computing Lab	-	-	3	75	-	75	100	2
7	CIVIL ENGG	520222(20)	Experimental Stress Analysis Lab	-	-	3	75	-	75	100	2
			Total				650	100	250	1000	24

ELECTIVE - II			
S.No	Board of Study	Subject Code	Subject
1	Civil. Engg	520231(20)	Advanced Transportation Engineering
2	Civil. Engg	520232(20)	Earthquake Engineering
3	Civil. Engg	520233(20)	Modern Surveying Techniques
4	Civil. Engg	520234(20)	Experimental Stress Analysis

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CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI (C.G.)
SCHEME OF TEACHING AND EXAMINATION
M.E./M.Tech. IIIRD SEMESTER CIVIL ENGINEERING

S. No.	Board of Study	Subject Code	Subjects	Periods per Week			Scheme of Examination			Total Marks	Credit L+[(T+P)/2]
							Theory/ practical				
				L	T	P	ESE	CT	TA		
1	Civil. Engg	520311(20)	Prefabricated Structures	3	1	-	100	20	20	140	4
2	Civil. Engg	Elective-III		3	1	-	100	20	20	140	4
3	Civil. Engg	520321(20)	Preliminary work as Dissertation	-	-	28	100	-	100	200	14
4	Civil. Engg	520322(20)	Project Phase-II (5 Week duration)	-	-	03	-	-	20	20	2
Total							300	40	160	500	24

ELECTIVE – III

S.No	Board of Study	Subject Code	Subject
1	Civil. Engg	520331(20)	Disaster Management
2	Civil. Engg	520332(20)	Soil Structure Interaction
3	Civil. Engg	520333(20)	Optimization Techniques

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CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI (C.G.)
SCHEME OF TEACHING AND EXAMINATION
M.E./M.Tech. IVTH SEMESTER CIVIL ENGINEERING

S. No	Board of Study	Subject Code	Subject	Periods per week			SCHEME OF EXAMINATION			TOTAL MARKS	Credit L+[(T+P)/2]
				L	T	P	THEORY / PRACTICAL				
							ESE	CT	TA		
1	CIVIL ENGG	520421(20)	Project + Seminar	6	-	34	300	-	200	500	23
							300	-	200	500	23

L- Lecture T – Tutorial P – Practical ECS – End Semester Exam CT – Class Test
 TA – Teacher’s Assessment

Note -:

- 1/4th of total strength of students is required to offer an elective in the college in a particular academic session.
- Choice of elective course once made for an examination cannot be changed in future examination .

Scheme of Marks Allotment

Semester	Total Marks	Grand Total
I	1000	3000
II	1000	
III	500	
IV	500	