



Chhattisgarh Swami Vivekanand Technical University (CSV TU), Bhilai (C.G.)

SCHEME OF TEACHING AND EXAMINATION

B.Tech (Third Semester – Civil Engineering)

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Course Code	Period per Week			Scheme of Examination			Total Marks	Credit
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1.	Basic Science	Mathematics - III	B000311(014)	3	1	-	100	20	30	150	4
2.	Civil Engg.	Introduction to Fluid Mechanics	B020312(020)	3	1	-	100	20	30	150	4
3.	Civil Engg.	Introduction to Solid Mechanics	B020313(020)	3	1	-	100	20	30	150	4
4.	Civil Engg.	Plane Surveying	B020314(020)	3		-	100	20	30	150	3
5.	Civil Engg.	Building Materials	B020315(020)	2	-	-	100	20	30	150	2
6.	Civil Engg.	Fluid Mechanics Lab	B020321(020)	-	-	2	40	-	20	60	1
7.	Civil Engg.	Surveying Lab	B020322(020)	-	-	2	40	-	20	60	1
8.	Civil Engg.	Building Material Lab	B020323(020)	-	-	2	40	-	20	60	1
9.	Civil Engg.	Software Lab	B020324(020)	-	-	2	40	-	20	60	1
10.	Humanities	Personality Development	B000306(046)	-	-	2	-	-	10	10	-
Total Marks				14	3	10	660	100	240	1000	21

L-Lecture, T-Tutorial, P-Practical, ESE-End Semester Exam, CT- Class Test, TA-Teacher's Assessment



Chhattisgarh Swami Vivekanand Technical University (CSVТУ), Bhilai (CG)

SCHEME OF TEACHING AND EXAMINATION

Courses of Study and Scheme of Examination B. Tech. (4th Semester) –Civil Engineering

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Course Code	Period per Week			Scheme of Examination			Total Marks	Credit
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1.	Civil Engg.	Structural Analysis-I	B020411(020)	3	1	-	100	20	30	150	4
2.	Civil Engg	Hydraulic Engineering	B020412(020)	3	1	-	100	20	30	150	4
3.	Civil Engg	Surveying and geomatics	B020413(020)	3	1	-	100	20	30	150	4
4.	Civil Engg	Building Construction	B020414(020)	3		-	100	20	30	150	3
5.	Civil Engg	Engineering Geology	B020415(020)	2		-	100	20	30	150	2
6.	Civil Engg	Hydraulics Lab	B020421(020)	-	-	2	40	-	20	60	1
7.	Civil Engg	Surveying and Geomatics Lab	B020422(020)	-	-	2	40	-	20	60	1
8.	Civil Engg	Geology Lab	B020423(020)	-	-	2	40	-	20	60	1
9.	Civil Engg	Virtual Lab	B020424(020)	-	-	2	40	-	20	60	1
10.	Non- credit course	Indian Culture and Constitution of India	B000406(046)	-	-	2	-	-	10	10	-
Total Marks				14	3	10	660	100	240	1000	21
Internship-I to be completed after fourth semester exam and its evaluation to be done in fifth semester											

L-Lecture, T-Tutorial, P-Practical, ESE-End Semester Exam, CT- Class Test, TA-Teacher's Assessment



Chhattisgarh Swami Vivekanand Technical University (CSVTV, NEWAI (C.G.))

SCHEME OF TEACHING AND EXAMINATION

B Tech (Fifth Semester - CIVIL ENGINEERING)

Sl. No.	Board of Studies	Courses (Subject)	Course Code	Period per Week			Theory/Lab			Total Marks	Credits
				L	T	P	ESE	CT	TA		
1.	Civil Engg.	Structural Engineering Design-I	C020511(020)	3	1	-	100	20	30	150	4
2.	Civil Engg.	Hydrology & Water Resources Engineering	C020512(020)	3	1	-	100	20	30	150	4
3.	Civil Engg.	Geotechnical Engineering	C020513(020)	3	1	-	100	20	30	150	4
4.	Civil Engg.	Transportation Engineering	C020514(020)	2	1	-	100	20	30	150	3
5.	Professional Elective –I(Refer Table I)			2	0	-	100	20	30	150	2
6.	Civil Engg.	Structural Analysis lab	C020521(020)	-	-	2	40	-	20	60	1
7.	Civil Engg.	Transportation Engineering Lab	C020522(020)	-	-	2	40	-	20	60	1
8.	Civil Engg.	Geotechnical Engineering Lab	C020523(020)	-	-	2	40	-	20	60	1
9.	Civil Engg.	Project-I based on Summer Internship/ Industrial Training	C020524(020)	-	-	2	40	-	20	60	1
10.	Civil Engg.	Environmental Studies	C000506(020)	-	-	2	-	-	10	10	-
Total				13	4	10	660	100	240	1000	21

L – Lecturer

T – Tutorial,

P – Practical,

ESE – End Semester Exam,

CT –ClassTest

TA – Teacher's Assessment

Professional Elective I

S.N.	Board of Studies	Course Code	Subject
1	Civil Engg	C020531(020)	Structural Analysis-II
2	Civil Engg	C020532(020)	Repairs and rehabilitation of structures
3	Civil Engg	C020533(020)	Groundwater Engineering

Note: (1) 1/4th of total strength of students subject to minimum of 20 students is required to offer and 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.



SCHEME OF TEACHING AND EXAMINATION

B Tech (Sixth Semester – Civil Engineering)

Sl. No.	Board of Studies	Courses (Subject)	Course Code	Period per Week			Theory/Lab			Total Marks	Credits
				L	T	P	ESE	CT	TA		
1.	Civil Engg	Structural Engineering Design-II	C020611(020)	3	1	-	100	20	30	150	4
2.	Civil Engg	Environmental Engineering	C020612(020)	3	1	-	100	20	30	150	4
3.	Civil Engg	Engineering economics, estimating and costing	C020613(020)	3	1	-	100	20	30	150	4
4.	Professional Elective-II (Refer Table I)			2	1	-	100	20	30	150	3
5.	Open Elective – I (Refer Table II)			2	0	-	100	20	30	150	2
6.	Civil Engg	Structural Engineering Lab	C020621(020)	-	-	2	40	-	20	60	1
7.	Civil Engg	Environmental Engineering Lab	C020622(020)	-	-	2	40	-	20	60	1
8.	Civil Engg	Computer Aided Civil Engineering Drawing lab	C020623(020)	-	-	2	40	-	20	60	1
9.	Civil Engg	Concrete Technology Lab	C020624(020)	-	-	2	40	-	20	60	1
10.	Humanities	Technical Communication and Soft Skill	C000601(046)	-	-	2	-	-	10	10	-
Total				13	4	10	660	100	240	1000	21

L – Lecturer
P – Practical,

T – Tutorial, TA – Teacher's Assessment
ESE – End Semester Exam, CT –ClassTest

Table I (Professional Elective II)

S.N.	Board of Studies	Subject	Course Code
1.	Civil Engg	Structural Analysis by matrix method	C020631(020)
2.	Civil Engg	Concrete technology	C020632(020)
3.	Civil Engg	Traffic engineering and management	C020633(020)

Note: (1) 1/4th of total strength of students subject to minimum of 20 students is required to offer and 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.



Chhattisgarh Swami Vivekanand Technical University (CSV TU, NEWAI (C.G.))

SCHEME OF TEACHING AND EXAMINATION

B Tech (Seventh Semester - Civil Engineering)

Sl. No.	(BOS)	Courses (Subject)	Course Code	Period per Week			Scheme of Examination			Total Marks	Credit
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1.	Civil Engg	Structural design-III engineering	D020711(020)	3	1	-	100	20	30	150	4
2.	Civil Engg	Design of hydraulic structures	D020712(020)	2	1	-	100	20	30	150	3
3.	Civil Engg	Foundation Engineering	D020713(020)	2	1	-	100	20	30	150	3
4.	Professional Elective –III (Refer to Table I)			1	1	-	100	20	30	150	2
5.	Open Elective- II (Refer to Table II)			2	0	-	100	20	30	150	2
6.	Civil Engg	Advanced Geotechnical Engineering lab.	D020721(020)	-	-	2	40	-	20	60	1
7.	Civil Engg	Advanced Environmental engineering lab	D020722(020)	-	-	2	40	-	20	60	1
8.	Civil Engg	Project (Phase I)	D020723(020)	-	-	6	60	-	40	100	3
9.	Civil Engg	Industrial Training	D020724(020)			2			20	20	1
10.	Humanities	Universal Human Values 2	D000701(046)	-	-	2	-	-	10	10	-
Total Marks				10	4	14	640	100	260	1000	20

L – Lecturer ,T – Tutorial, P – Practical , CT –Class Test ESE – End Semester Exam TA – Teacher's Assessment

➤ Note: - The students have to attend the four weeks industrial training / summer internship in B. Tech program after sixth semester, which will be evaluated in seventh semester.

Table I (Professional Elective III)

S.N.	Board of Studies	Course Code	Subject
1.	Civil Engineering	D020731(020)	Seismic design of structures
2.	Civil Engineering	D020732(020)	Pre stressed Concrete
3.	Civil Engineering	D020733(020)	Construction equipment and techniques

Note: (1) 1/4th of total strength of students subject to minimum of 20 students is required to offer and 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.



Chhattisgarh Swami Vivekanand Technical University (CSV TU, NEWAI (C.G.))

SCHEME OF TEACHING AND EXAMINATION

B.Tech (Eight Semesters - Civil Engineering)

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Course Code	Period per Week			Scheme of Examination			Total Mark	Credit
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1.	Civil Engineering	Structural Engineering Design-IV	D020811(020)	3	1	-	100	20	30	150	4
2.	Professional Elective – IV (Refer to Table–I)			2	1	-	100	20	30	150	3
3.	Open Elective – III (Refer to Table–III)			2	0	-	100	20	30	150	2
4.	Civil Engineering	Structural Engineering Drawing (Lab)	D020821(020)	-	-	2	40	-	20	60	1
5.	Civil Engineering	Computer Application in Civil Engineering (Lab)	D020822(020)	-	-	2	40	-	20	60	1
6.	Civil Engineering	Project (Phase-II)	D020823(020)	-	-	14	350	-	80	430	7
Total Marks				7	2	18	730	60	210	1000	18

L – Lecturer, T – Tutorial, P – Practical, CT –Class Test, ESE – End Semester Exam, TA – Teacher's Assessment

Table-I (Professional Elective-IV)

S.N.	Board of Studies	Course Code	Courses (Subject)
1.	Civil Engineering	D020831(020)	Airport Planning and Design
2.	Civil Engineering	D020832(020)	Open Channel Flow
3.	Civil Engineering	D020833(020)	Construction Management

Note: (1) 1/4 th of total strength of students subject to minimum of 20 students is required to offer and 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.