



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

SCHEME OF TEACHING AND EXAMINATION

B Tech (Third Semester – Mining 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.	Mining Engg.	Mine Development	B039312(039)	3	1	-	100	20	30	150	4
3.	Mining Engg.	Mine Ventilation-I	B039313(039)	3	1	-	100	20	30	150	4
4.	Mining Engg.	Mine Geology	B039314(039)	2	1	-	100	20	30	150	3
5.	Mechanical Engg.	Mechanics of Solids & Fluid Mechanics	B039315(037)	2	-	-	100	20	30	150	2
6.	Mining Engg.	Mine Development Lab	B039321(039)	-	-	2	40	-	20	60	1
7.	Mining Engg.	Mine ventilation-I Lab	B039322(039)	-	-	2	40	-	20	60	1
8.	Mining Engg.	Mine Geology Lab	B039323(039)	-	-	2	40	-	20	60	1
9.	Mining Engg.	Software Lab	B039324(039)	-	-	2	40	-	20	60	1
10.	Humanities	Personality Development	B000306(046)	-	-	2	-	-	10	10	-
Total Marks				13	4	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 (CSV TU, NEWAI (C.G.))

SCHEME OF TEACHING AND EXAMINATION

B Tech (Fourth Semester - Mining Engineering)

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Course Code	Period per Week			Scheme of Examination			Total Marks	Credits
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1.	Mining Engg	Mine Surveying -I	B039411(039)	3	1	-	100	20	30	150	4
2.	Mining Engg	Underground Coal Mining	B039412(039)	3	1	-	100	20	30	150	4
3.	Mining Engg	Mine Machinery-I	B039413(039)	3	1	-	100	20	30	150	4
4.	Mining Engg	Surface Mining	B039414(039)	2	1	-	100	20	30	150	3
5.	ET&T	Basic Electronics & Instrumentation	B039415(028)	2	0	-	100	20	30	150	2
6.	Mining Engg	Mine Surveying -I Lab	B039421(039)	-	-	2	40	-	20	60	1
7.	Mining Engg	Underground Coal Mining Lab	B039422(039)	-	-	2	40	-	20	60	1
8.	Mining Engg	Mine Machinery-I Lab	B039423(039)	-	-	2	40	-	20	60	1
9.	Mining Engg	Virtual Lab	B039424(039)	-	-	2	40	-	20	60	1
10.	Non-Credit	Indian Culture and Constitution of India	B000406(046)	-	-	2	-	-	10	10	-
Total				13	4	10	660	100	240	1000	21

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

Note:

- Duration of End Semester Exam of all theory papers will be of Three Hours.
- Industrial Training of eight weeks is mandatory for B.Tech.. Student. It is to be completed in two parts.
 - The first part will be in summer after IV semester after which students have to submit a training report which will be evaluated by the college teachers during B.E. V semester.



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

SCHEME OF TEACHING AND EXAMINATION

B Tech (Fifth Semester – MINING 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.	Computer Sc. & Engg.	Numerical Analysis & Computer Programming	C039511(022)	3	1	-	100	20	30	150	4
2.	Mining Engg.	Mine Survey - II	C039512(039)	3	1	-	100	20	30	150	4
3.	Mining Engg.	Mine Legislation – I	C039513(039)	3	1	-	100	20	30	150	4
4.	Computer Sc. & Engg	Programming with C	C039514(022)	2	1	-	100	20	30	150	3
5.	Professional Elective –I(Refer Table I)			2	0	-	100	20	30	150	2
6.	Computer Sc. & Engg	Numerical Analysis & Computer Programming Laboratory	C039521(022)	-	-	2	40	-	20	60	1
7.	Mining Engg.	Mine Survey - II Laboratory	C039522(039)	-	-	2	40	-	20	60	1
8.	Computer Sc. & Engg	Programming with C Lab	C039523(022)	-	-	2	40	-	20	60	1
9.	Mining Engg.	Project-I based on Summer Internship/ Industrial Training	C039524(039)	-	-	2	40	-	20	60	1
10.	Non-Credit	Environmental Studies	C000506(020)	-	-	2	-	-	10	10	-
Total				13	4	10	660	100	240	1000	21

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

Table I (Professional Elective I)

S.N.	Board of Studies	Course Code	Subject
1	Mining Engg.	C039531(039)	Under ground Metal Mining
2	Mining Engg.	C039532(039)	Small Scale & Dimensional Stone Mining

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 – Mining 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.	Mining Engg.	Mine Ventilation -II	C039611(039)	3	1	-	100	20	30	150	4
2.	Mining Engg.	Mine Machinery -II	C039612(039)	3	1	-	100	20	30	150	4
3.	Mining Engg.	Mineral Dressing	C039613(039)	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 III)			2	0	-	100	20	30	150	2
6.	Mining Engg.	Mine Ventilation -II Lab	C039621(039)	-	-	2	40	-	20	60	1
7.	Mining Engg.	Mineral Dressing Lab	C039622(039)	-	-	2	40	-	20	60	1
8.	Professional Elective –II(Lab) (Refer Table II)			-	-	2	40	-	20	60	1
9.	Mining Engg.	Mine Machinery –II Lab	C039625(039)	-	-	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.	Mining Engg.	Pollution control in Mining	C039631(039)
2.	Mining Engg.	Blasting Engineering	C039632(039)

Table II (Professional Elective II Lab)

S.N.	Board of Studies	Subject	Course Code
1.	Mining Engg.	Pollution control in Mining Lab	C039623(039)
2.	Mining Engg.	Blasting Engineering Lab	C039624(039)

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 (CSVTV, NEWAI (C.G.))

SCHEME OF TEACHING AND EXAMINATION

B Tech (Seventh Semester – Mining Engg.)

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.	Mining Engg.	Mine Surveying -III	D039711(039)	3	1	-	100	20	30	150	4
2.	Mining Engg.	Rock Mechanics	D039712(039)	2	1	-	100	20	30	150	3
3.	Mining Engg.	Mine Ventilation-III	D039713(039)	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.	Mining Engg.	Mine Surveying -III Lab	D039721(039)	-	-	2	40	-	20	60	1
7.	Mining Engg.	Rock Mechanics Lab	D039722(039)	-	-	2	40	-	20	60	1
8.	Mining Engg.	Project (Phase I)	D039723(039)	-	-	6	60	-	40	100	3
9.	Mining Engg.	Industrial Training	D039724(039)			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.	Mining Engg.	D039731(039)	Mine Planning
2.	Mining Engg.	D039732(039)	Remote sensing &GIS

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 (Eighth Semester – Mining 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.	Mining Engineering	Strata Control	D039811(039)	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.	Mining Engineering	Strata Control (Lab)	D039821(039)	-	-	2	40	-	20	60	1
5.	Mining Engineering	Mine Machinery–III (Lab)	D039822(039)	-	-	2	40	-	20	60	1
6.	Mining Engineering	Project (Phase–II)	D039823(039)	-	-	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	Subject
1.	Mining Engineering	D039831(039)	Surface Mining–II
2.	Mining Engineering	D039832(039)	Mine Legislation–II

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.