



Chhattisgarh Swami Vivekanand Technical University, Bhilai

Diploma in Mining Engineering

Semester-I

Scheme of Examinations:

S.No	Board of Study	Course Code	Course Titles	Scheme of Examination					
				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	Humanities	2000171(046)	Communication Skills-I	70	20	30	-	-	120
2	Applied Science	2000172(014)	Applied Maths-I	70	20	30	-	-	120
3	Mechanical Engineering	2000173(037)	Applied Mechanics	70	20	30	-	-	120
4	Applied Science	2000178(011)	Applied Chemistry	70	20	30	-	-	120
5	Mechanical Engineering	2000177(037)	Engineering Drawing	70	20	30	-	-	120
6	Mechanical Engineering	2000180(037)	Workshop Practice (Theory)	-	-	30	-	-	30
7	Mechanical Engineering	2000190(037)	Applied Mechanics (Lab)	-	-	-	30	50	80
8	Applied Science	2000191(011)	Applied Chemistry (Lab)	-	-	-	30	50	80
9	Mechanical Engineering	2000192(037)	Engineering Drawing (Practical)	-	-	-	30	50	80
10	Mechanical Engineering	2000193(037)	Workshop Practice (Practical)	-	-	-	50	30	80
11	Humanities	2000194(046)	Seminar & Technical Presentation (Listening, Reading & Speaking) Skills	-	-	-	-	50	50
Total				350	100	180	140	230	1000

ESE : End Semester Examination, CT: Class Test, TA: Teachers Assessment

- Note :** i) TA in Theory includes Sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% of total respectively.
 ii) TA in Practical includes performance of PRA, PDA and Viva-Voce with weightage of 50%, 40% and 10% of total respectively.
 iii) 85% attendance is essential in each theory and practical subjects to appear in examination.

Legend: - PRA: Process Assessment, PDA: Product Assessment



Chhattisgarh Swami Vivekanand Technical University, Bhilai

Diploma in Mining Engineering

Semester-II

Scheme of Studies:

S. No.	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit (C) L+T+(P/2)
1	Humanities	2000271 (046)	Communication Skills-II	2	-	1	3
2	Applied Science	2000272 (014)	Applied Maths-II	2	-	1	3
3	Civil Engineering	2000273 (020)	Environmental Engineering & Sustainable Development	2	-	1	3
4	Applied Science	2000274 (015)	Applied Physics	2	-	1	3
5	Mechanical Engineering	2000275 (037)	Basic Non-Conventional Energy Sources	1	-	1	2
6	Computer Science and Engineering	2000276 (022)	Computer Fundamentals & Applications	2	-	-	2
7	Applied Science	2000290 (015)	Applied Physics (Lab)	-	2	-	1
8	Mechanical Engineering	2000291 (037)	Basic Non-Conventional Energy Sources (Lab)	-	2	-	1
9	Computer Science and Engineering	2000292 (022)	Computer Fundamentals & Applications (Lab)	-	4	-	2
10	Humanities	2000294 (046)	Seminar & Technical Presentation (Personality Development & Leadership) Skills	-	2	-	1
11	-	-	Library	-	2	-	-
12	-	-	Co-curricular & Academic Activity Societies	-	2	-	-
Total				11	14	05	21

L - Lecture, T - Tutorial, P – Practical

Lecture (L) → CI Classroom Instruction (Includes different instructional strategies i.e Lecture and others.)

Practical (P) → LI Laboratory Instruction (Includes practical performances in Laboratory workshop, field or other locations using different instructional strategies).

Tutorial (T) → Includes sessional work (SW) (assignment, seminar, mini project etc), self Learning (SL)

Note: Leftover periods/week (6 periods/week) shall be utilized for Self Learning (SL) purpose.



Chhattisgarh Swami Vivekanand Technical University, Bhilai

Diploma in Mining Engineering

Semester-II

Scheme of Examination:

S. No	Board of Study	Course Code	Course Titles	Scheme of Examination					
				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	Humanities	2000271 (046)	Communication Skills-II	70	20	30	-	-	120
2	Applied Science	2000272 (014)	Applied Maths-II	70	20	30	-	-	120
3	Civil Engineering	2000273 (020)	Environmental Engineering & Sustainable Development	70	50	30	-	-	150
4	Applied Science	2000274 (015)	Applied Physics	70	20	30	-	-	120
5	Mechanical Engineering	2000275 (037)	Basic Non-Conventional Energy Sources	-	-	70	-	-	70
6	Computer Science and Engineering	2000276 (022)	Computer Fundamentals & Applications	70	20	30	-	-	120
7	Applied Science	2000290 (015)	Applied Physics (Lab)	-	-	-	30	50	80
8	Mechanical Engineering	2000291 (037)	Basic Non-Conventional Energy Sources (Lab)	-	-	-	30	50	80
9	Computer Science and Engineering	2000292 (022)	Computer Fundamentals & Applications (Lab)	-	-	-	30	50	80
10	Humanities	2000294 (046)	Seminar & Technical Presentation (Personality Development & Leadership) Skills	-	-	-	-	60	60
Total				350	130	220	90	210	1000

ESE: End Semester Exam, CT: Class Test, TA: Teachers Assessment

- Note:** i) TA in Theory includes Sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% of total respectively.
- ii) TA in Practical includes performance of PRA, PDA and Viva-Voce with weightage of 50%, 40% and 10% of total respectively.
- iii) 85% attendance is essential in each theory and practical subjects to appear in examination.

Legend: - PRA: Process Assessment, PDA: Product Assessment.



Chhattisgarh Swami Vivekanand Technical University, Bhilai

Diploma in Mining Engineering

Semester – III

Scheme of Studies :

S.No.	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	Mining Engineering	2039371 (039)	Elements of Mining Technology	2	-	1	3
2	Mining Engineering	2039372 (039)	Mine Transportation	2	-	1	3
3	Mining Engineering	2039373 (039)	Applied Geology	2	-	1	3
4	Mining Engineering	2039374 (039)	Elements of Mine Surveying	2	-	1	3
5	Mining Engineering	2039375 (039)	Mine Ventilation	3	-	1	4
6	Mining Engineering	2039361 (039)	Elements of Mining Technology (Lab)	-	2	-	1
7	Mining Engineering	2039362 (039)	Applied Geology (Lab)	-	2	-	1
8	Mining Engineering	2039363 (039)	Elements of Mine Surveying (Lab)	-	2	-	1
9	Mining Engineering	2039364 (039)	Mine Ventilation (Lab)	-	2	-	1
10	-	-	Library	-	2	-	0
11	Humanities	-	Health and Yoga	-	7	-	0
Total				11	17	05	20

L- Lecture,

T- Tutorial,

P- Practical,

Lecture (L)→ CL Classroom Instruction (Includes different instructional Strategies i.e Lecture and others.)

Practical (P)→ Laboratory Instruction (Includes practical performances in Laboratory workshop, field or other locations using different instructional strategies).

Tutorial (T)→ Includes sessional work (SW) (assignment, seminar, mini project etc), Self Learning (SL)



Chhattisgarh Swami Vivekanand Technical University, Bhilai

Diploma in Mining Engineering

Semester – III

Scheme of Examination :

S.No.	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)					
				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	Mining Engineering	2039371 (039)	Elements of Mining Technology	70	20	30	-	-	120
2	Mining Engineering	2039372 (039)	Mine Transportation	70	20	30	-	-	120
3	Mining Engineering	2039373 (039)	Applied Geology	70	20	30	-	-	120
4	Mining Engineering	2039374 (039)	Elements of Mine Surveying	70	20	30	-	-	120
5	Mining Engineering	2039375 (039)	Mine Ventilation	70	20	30	-	-	120
6	Mining Engineering	2039361 (039)	Elements of Mining Technology (Lab)	-	-	-	40	60	100
7	Mining Engineering	2039362 (039)	Applied Geology (Lab)	-	-	-	40	60	100
8	Mining Engineering	2039363 (039)	Elements of Mine Surveying (Lab)	-	-	-	40	60	100
9	Mining Engineering	2039364 (039)	Mine Ventilation (Lab)	-	-	-	40	60	100
10	Humanities	-	Health and Yoga	-	-	-	-	-	-
Total				350	100	150	160	240	1000

ESE : End of semester exam

CT : Class Test

TA : Teachers Assessment

Legend :- PRA : Process Assessment, PDA : Product Assessment

- Note** :-
- TA in Theory includes Sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% weightage of total respectively .
 - TA in Practical includes performance of PRA, PDA and Viva-voce with weightage of 50% , 40% and 10% weightage of total respectively .
 - 85% attendance is essential in theory & Practical classes to appear in examination.



Chhattisgarh Swami Vivekanand Technical University, Bhilai

Diploma in Mining Engineering

Semester – IV

Scheme of Studies :

S.No.	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	Mechanical Engineering	2000475 (037)	Entrepreneurship Development and Management	2	-	1	3
2	Mining Engineering	2039471 (039)	Mine Surveying -I	3	-	1	4
3	Mining Engineering	2039472 (039)	Winning and Working Metal	2	-	1	3
4	Mining Engineering	2039473 (039)	Mine Environment & Pollution Control	2	-	1	3
5	Mining Engineering	2039474 (039)	Winning and Working (Coal)	2	-	1	3
6	Mining Engineering	2039461 (039)	Mine Surveying–I (Lab)	-	2	-	1
7	Mining Engineering	2039462 (039)	Winning and Working Coal (Lab)	-	2	-	1
8	Mining Engineering	2039463 (039)	Mine Environment & Pollution Control(Lab)	-	2	-	1
9	Mining Engineering	2039464 (039)	Minor Project	-	2	-	1
10	-	-	Library	-	2	-	0
11	-	-	Sports	-	5	-	0
Total				11	15	05	20

L- Lecture,

T- Tutorial,

P- Practical,

Lecture (L)→ CL Classroom Instruction (Includes different instructional Strategies i.e Lecture and others.)

Practical (P)→ Laboratory Instruction (Includes practical performances in Laboratory workshop, field or other locations using different instructional strategies).

Tutorial (T)→ Includes sessional work (SW) (assignment, seminar, mini project etc), Self Learning (SL)



Chhattisgarh Swami Vivekanand Technical University, Bhilai

Diploma in Mining Engineering

Semester – IV

Session-2020

Scheme of Examination :

S.No.	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)					
				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	Mechanical Engineering	2000475 (037)	Entrepreneurship Development and Management	70	20	30	-	-	120
2	Mining Engineering	2039471 (039)	Mine Surveying -I	70	20	30	-	-	120
3	Mining Engineering	2039472 (039)	Winning and Working Metal	70	20	30	-	-	120
4	Mining Engineering	2039473 (039)	Mine Environment & Pollution Control	70	20	30	-	-	120
5	Mining Engineering	2039474 (039)	Winning and Working (Coal)	70	20	30	-	-	120
6	Mining Engineering	2039461 (039)	Mine Surveying –I (Lab)	-	-	-	40	60	100
7	Mining Engineering	2039462 (039)	Winning and Working Coal (Lab)	-	-	-	40	60	100
8	Mining Engineering	2039463 (039)	Mine Environment & Pollution Control (Lab)	-	-	-	40	60	100
9	Mining Engineering	2039464 (039)	Minor Project	-	-	-	40	60	100
10	-	-	Library	-	-	-	-	-	-
11	-	-	Sports	-	-	-	-	-	-
Total				350	100	150	160	240	1000

ESE : End of semester exam

CT : Class Test

TA : Teachers Assessment

Legend :- PRA : Process Assessment, PDA : Product Assessment

- Note :-**
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Semester – V

Scheme of Studies:

S.No.	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	Mining Engineering	2039571 (039)	Advance Mining Geology	2	-	1	3
2	Mining Engineering	2039572 (039)	Mine Legislation	2	-	1	3
3	Mining Engineering	2039573 (039)	Mine Machinery	3	-	1	4
4	Mining Engineering	2039574 (039)	Strata Control and Roof Support	2	-	1	3
5	Mining Engineering	2039575 (039)	Drilling and Blasting Practice in Mines	2	-	1	3
6	Mining Engineering	2039561 (039)	Advance Mining Geology (Lab)	-	2	-	1
7	Mining Engineering	2039562 (039)	Mine Machinery (Lab)	-	2	-	1
8	Mining Engineering	2039563 (039)	Drilling and Blasting Practice in Mines (Lab)	-	2	-	1
9	Mining Engineering	2039564 (039)	Industrial Training (Lab)	-	2	-	1
10	Mandatory Course	--	Environmental Science	2	-	-	-
Total				13	08	05	20

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Semester – V

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				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	Mining Engineering	2039571 (039)	Advance Mining Geology	70	20	30	-	-	120
2	Mining Engineering	2039572 (039)	Mine Legislation	70	20	30	-	-	120
3	Mining Engineering	2039573 (039)	Mine Machinery	70	20	30	-	-	120
4	Mining Engineering	2039574 (039)	Strata Control and Roof Support	70	20	30	-	-	120
5	Mining Engineering	2039575 (039)	Drilling and Blasting Practice in Mines	70	20	30	-	-	120
6	Mining Engineering	2039561 (039)	Advance Mining Geology (Lab)	-	-	-	40	60	100
7	Mining Engineering	2039562 (039)	Mine Machinery (Lab)	-	-	-	40	60	100
8	Mining Engineering	2039563 (039)	Drilling and Blasting Practice in Mines (Lab)	-	-	-	40	60	100
9	Mining Engineering	2039564 (039)	Industrial Training (Lab)	-	-	-	40	60	100
10	Mandatory Course	--	Environmental Science	-	-	-	-	-	-
Total				350	100	150	160	240	1000

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TA : Teachers Assessment

Legend: PRA: Process Assessment,

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