

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

COURSE OF STUDY AND SCHEME OF EXAMINATION OF DIPLOMA FIRST SEMESTER (2005-06)

IN CIVIL/ MECHANICAL/ ELECTRICAL/ METALLURGICAL ENGINEERING/ INSTRUMENTATION/ PRODUCTION TECHNOLOGY/ MINING/ MINING AND MINE SURVEYING

SEMESTER - I

Sn.	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	ESE	TA		
1	Humanities	200111 (46)	Communication Skill-I	3	1	-	100	20	20	-	-	140	4
2	Basic Science	200112 (14)	Applied Maths-I	3	2	-	100	20	20	-	-	140	4
3	Basic Science	200113 (14)	Applied Physics	3	1	-	100	20	20	-	-	140	4
4	Basic Science	200114 (14)	Applied Chemistry	3	1	-	100	20	20	-	-	140	4
5	Civil Engg.	200115 (20)	Environmental Engg.	3	1	-	100	20	20	-	-	140	4
6	Mechanical Engg.	200121 (37)	Work Shop Practice (Theory)	1	-	-	-	-	20	-	-	20	1
7	Basic Science	200122 (14)	Applied Physics Lab	-	-	3	-	-	-	50	20	70	2
8	Basic Science	200123 (14)	Applied Chemistry Lab	-	-	3	-	-	-	50	20	70	2
9	Mechanical Engg.	200124 (37)	Work Shop Practice (Practical)	-	-	8	-	-	-	100	40	140	4
Total				16	06	14	500	100	120	200	80	1000	29

L: Lecture, T: Tutorial, P: Practical.

ESE: End Semester Examination, CT: Class Test, TA: Teacher's Assessment

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

DIPLOMA PROGRAMME IN MNING / MINING AND MINE SURVEYING

COURSE OF STUDY AND SCHEME OF EXAMINATION

SEMESTER - II

Sn.	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	ESE	TA		
1	Humanities	200211 (46)	Communication Skill-II	4	1	-	100	20	20	-	-	140	5
2	Computer Science and Engineering	200214 (22)	Computer Fundamentals & Its Applications	4	1	-	100	20	20	-	-	140	5
3	Mechanical Engineering	200215 (37)	Engineering Drawing	2	4	-	100	20	20	-	-	140	4
4	Mining Engineering	239211 (39)	Elements of Mining Technology	4	1	-	100	20	20	-	-	140	5
5	Mining Engineering	239212 (39)	Elements of Mine Surveying	4	1	-	100	20	20	-	-	140	4
6	Computer Science and Engineering	200221 (22)	Computer Fundamentals & Its Applications	-	-	2	-	-	-	50	20	70	1
7	Humanities	200224 (46)	PPA	-	-	2	-	-	-	-	40	40	1
8	Mining Engineering	239221 (39)	Elements of Mine Surveying	-	-	2	-	-	-	50	20	70	1
9	Mining Engineering	239222 (39)	*Industrial Training	-	-	5	-	-	-	100	20	120	3
Total				18	08	11	500	100	100	200	100	1000	29

PPA: Proficiency in Professional Activity

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* Industrial Training: Students will undergo on industrial practical training for 2 months during 2nd semester

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SEMESTER - III

Sn.	Board of Study	Subject Code	Subject	Periods/ week in hours			Scheme of Examination					Total Marks	Credit L+[T+P]/2
							Theory			Practical			
				L	T	P	ESE	CT	TA	ESE	TA		
1	Mechanical Engineering	239311 (37)	Applied Mechanics	4	2	-	100	20	20	-	-	140	5
2	Civil Engineering	239312 (20)	Basic Civil Engineering	4	2	-	100	20	20	-	-	140	5
3	Mechanical Engineering	239313 (37)	Basic Mechanical Engineering	4	2	-	100	20	20	-	-	140	5
4	Mining Engineering	239314 (39)	Mine Environmental Engineering	4	1	-	100	20	20	-	-	140	5
5	Mining Engineering	239315 (39)	Strata Control and Roof Support	4	1	-	100	20	20	-	-	140	5
6	Mechanical Engineering	239321 (37)	Applied Mechanics (Lab)	-	-	3	-	-	-	50	20	70	2
7	Civil Engineering	239322 (20)	Basic Civil Engineering (Lab)	-	-	2	-	-	-	50	20	70	1
8	Mechanical Engineering	239323 (37)	Basic Mechanical Engineering (Lab)	-	-	2	-	-	-	50	20	70	1
9	Mining Engineering	239324 (39)	Industrial/Training/ Tour/Excursion/ Seminar	-	-	1	-	-	-	50	40	90	1
Total				20	08	08	500	100	100	200	100	1000	30

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SEMESTER - IV

Sn.	Board of Study	Subject Code	Subject	Periods/ week in hours			Scheme of Examination					Total Marks	Credit $L+[T+P]/2$
							Theory			Practical			
				L	T	P	ESE	CT	TA	ESE	TA		
1	Electrical Engineering	293411 (24)	Basic Electrical & Electronics	4	1	-	100	20	20	-	-	140	5
2	Mining Engineering	239412 (39)	Applied Geology	4	2	-	100	20	20	-	-	140	5
3	Mining Engineering	239413 (39)	Mine Safety and Legislation	4	1	-	100	20	20	-	-	140	5
4	Mining and Mine Surveying	293414 (93)	Mine Surveying-I	4	2	-	100	20	20	-	-	140	5
5	Mining Engineering	239415 (39)	Wining and Working Coal	4	2	-	100	20	20	-	-	140	5
6	Electrical Engineering	293421 (24)	Basic Electrical & Electronics (Lab)	-	-	3	-	-	-	50	20	70	1
7	Mining and Mine Surveying	293422 (93)	Applied Geology (Lab)	-	-	2	-	-	-	50	20	70	1
8	Mining and Mine Surveying	293423 (93)	Mine Surveying-I (Lab)	-	-	2	-	-	-	50	20	70	2
9	Mining and Mine Surveying	293424 (93)	Industrial/Training/ Tour/Excursion/ Seminar	-	-	1	-	-	-	50	40	90	1
Total				20	08	08	500	100	100	200	100	1000	30

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COURSE OF STUDY AND SCHEME OF EXAMINATION

SEMESTER - V

Sn.	Board of Study	Subject Code	Subject	Periods/ week in hours			Scheme of Examination					Total Marks	Credit L+[T+P]/2
							Theory			Practical			
				L	T	P	ESE	CT	TA	ESE	TA		
1	Mining and Mine Surveying	239511 (39)	Advance Mining Geology	5	1	-	100	20	20	-	-	140	6
2	Mining and Mine Surveying	293512 (93)	Mine Hazards	4	1	-	100	20	20	-	-	140	5
3	Mining and Mine Surveying	239513 (39)	Wining and Working Metals	4	1	-	100	20	20	-	-	140	5
4	Mining and Mine Surveying	293514 (93)	Mine Machinery-I	4	2	-	100	20	20	-	-	140	5
5	Mining Engineering	293515 (93)	Drilling and Blasting	4	2	-	100	20	20	-	-	140	5
6	Mining and Mine Surveying	293521 (93)	Advance Mining Geology (Lab)	-	-	2	-	-	-	50	20	70	1
7	Mining and Mine Surveying	293522 (93)	Mining Hazards (Lab)	-	-	2	-	-	-	50	20	70	1
8	Mining and Mine Surveying	293523 (93)	Mine Machinery-I (Lab)	-	-	2	-	-	-	50	20	70	1
9	Mining and Mine Surveying	293524 (93)	Industrial Training	-	-	2	-	-	-	50	40	90	1
Total				21	07	08	500	100	100	200	100	1000	30

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SEMESTER - VI

Sn.	Board of Study	Subject Code	Subject	Periods/ week in hours			Scheme of Examination					Total Marks	Credit L+[T+P]/2
							Theory			Practical			
				L	T	P	ESE	CT	TA	ESE	TA		
1	Mining and Mine Surveying	239611 (39)	Mine Economics and Beneficiation	4	1	-	100	20	20	-	-	140	5
2	Mining and Mine Surveying	293612 (93)	Surface Mining	4	2	-	100	20	20	-	-	140	5
3	Mining and Mine Surveying	293613 (93)	Mine Management and Safety Aspects	4	2	-	100	20	20	-	-	140	5
4	Mining and Mine Surveying	293614 (93)	Advance Mine Surveying	5	2	-	100	20	20	-	-	140	6
5	Mining Engineering	293615 (93)	Mine Machinery-II	4	1	-	100	20	10	-	-	130	5
6	Mining and Mine Surveying	293621 (93)	Surface Mining (Lab)	-	-	2	-	-	-	50	20	70	1
7	Mining and Mine Surveying	293622 (93)	Advance Mine Surveying (Lab)	-	-	3	-	-	-	100	50	150	2
8	Mining and Mine Surveying	293623 (93)	Mine Machinery-II (Lab)	-	-	2	-	-	-	50	40	90	1
Total				21	08	07	500	100	90	200	110	1000	30

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