



CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

Course of study and Scheme Examination of Diploma First Semester (2005-06) in
Civil/Mechanical/Electrical/Metallurgical Engineering/Instrumentation/Production Technology/Mining & Mine Surveying

SEMESTER - I

S. No	Subject Code	Board of Study	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	200111	Humanities	Communication Skill-I	3	1	-	100	20	20	-	-	140	4
2	200112	Basic Science	Applied Maths-I	3	2	-	100	20	20	-	-	140	4
3	200113	Basic Science	Applied Physics	3	1	-	100	20	20	-	-	140	4
4	200114	Basic Science	Applied Chemistry	3	1	-	100	20	20	-	-	140	4
5	200115	Civil Engg.	Environmental Engg.	3	1	-	100	20	20	-	-	140	4
6	200121	Mechanical Engg.	Work Shop Practice (Theory)	1	-	-	-	-	20	-	-	20	1
7	200122	Basic Science	Applied Physics Lab	-	-	3	-	-	-	50	20	70	2
8	200123	Basic Science	Applied Chemistry Lab	-	-	3	-	-	-	50	20	70	2
9	200124	Mechanical Engg.	Work Shop Practice (Practical)	-	-	8	-	-	-	100	40	140	4
Total				16	06	14	500	100	120	200	80	1000	29

L – Lecturer,

T – Tutorial,

P – Practical,

ESE – End Semester Exam,

CT – Class Test, TA – Teachers Assessment

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI
DIPLOMA PROGRAMME IN CIVIL/MECHANICAL/ELECTRICAL/METALLURGICAL ENGINEERING
Semester – II
COURSE OF STUDY AND SCHEME OF EXAMINATION

S. No	Board of Study	Subject Code	Course	Periods/Week			Scheme of Examination						Credit L+(T+P)/2
				L	T	P	Theory			Practical		Total Marks	
							ESE	CT	TA	ESE	TA		
1	Humanities	200211 (46)	Communication skills – II	4	1	-	100	20	20	-	-	140	5
2	Basic Science	200212 (14)	Applied Maths – II	3	1	-	100	20	20	-	-	140	4
3	Mechanical Engineering	200213 (37)	Applied Mechanics	3	1	-	100	20	20	-	-	140	4
4	Computer Science & Engg.	200214 (22)	Computer Fundamentals & its Applications	4	1	-	100	20	20	-	-	140	5
5	Mechanical Engineering	200215 (37)	Engineering Drawing	2	4	-	100	20	20	-	-	140	4
6	Computer Science & Engg.	200221 (22)	Computer Fundamentals & Applications Lab	-	-	6	-	-	-	100	20	120	3
7	Mechanical Engineering	200222 (37)	Applied Mechanics Lab	-	-	2	-	-	-	50	20	70	1
8	Mechanical Engineering	200223 (37)	Basic Non-Conventional Energy Sources Lab	1	-	1	-	-	-	50	20	70	2
9	Humanities	200224 (46)	PPA	-	-	2	-	-	-	-	40	40	1
TOTAL				17	8	11	500	100	100	200	100	1000	29

PPA : Proficiency in Professional Activites.

L : Lecture : T : Tutorial, P : Practical

ESE – End of Semester Exam.; CT – Class Test; TA- Teacher’s Assessment.

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

DIPLOMA PROGRAMME IN METALLURGICAL ENGINEERING

Semester – III

COURSE OF STUDY AND SCHEME OF EXAMINATION (Revised Dated 26-6-06)

S. No	Board of Study	Course Code	Course	Periods/Week (in hours)			Scheme of Examination					Credit L+(T+P)/2	
				L	T	P	Theory			Practical			Total Marks
							ESE	CT	TA	ESE	TA		
1.	Metallurgical Engineering	238311 (38)	Material Science	4	1	-	100	20	20	-	-	140	5
2.	Metallurgical Engineering	238312 (38)	Iron Production	4	1	-	100	20	20	-	-	140	5
3.	Mechanical Engineering	238313 (37)	General Mechanical Engineering	3	1	-	100	20	20	-	-	140	4
4.	Metallurgical Engineering	238314 (38)	Principles of Extractive Metallurgy	3	1	-	100	20	20	-	-	140	4
5.	Metallurgical Engineering	238315 (38)	Thermodynamics	3	1	-	100	20	20	-	-	140	4
6.	Metallurgical Engineering	238321 (38)	Material Science Lab	-	-	4	-	-	-	50	20	70	2
7.	Metallurgical Engineering	238322 (38)	Iron Production Lab	-	-	4	-	-	-	50	20	70	2
8.	Mechanical Engineering	238323 (37)	General Mechanical Engineering Lab	-	-	2	-	-	-	50	20	70	1
10.	Mechanical Engineering	238324 (37)	Workshop Practice	-	-	4	-	-	-	70	20	90	2
TOTAL				17	5	14	500	100	100	220	80	1000	29

L : Lecture hours : T : Tutorial hours, P : Practical hours
 ESE – End of Semester Exam.; CT – Class Test; TA- Teacher’s Assessment

Note: Industrial training (for Phase-I) of 2 week will be organised after third semester and evaluation will be done in 4th semester.

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

DIPLOMA PROGRAMME IN METALLURGICAL ENGINEERING Semester – IV COURSE OF STUDY AND SCHEME OF EXAMINATION (Revised Dated 26-6-06)

S.No	Board of Study	Course Code	Course	Periods/Week (in hours)			Scheme of Examination					Credit L+(T+P)/2	
				L	T	P	Theory			Practical			Total Marks
							ESE	CT	TA	ESE	TA		
1.	Electronics & Telecommunication Engineering	238411 (28)	Basic Electrical and Electronics	4	1	-	100	20	20	-	-	140	5
2.	Metallurgical Engineering	238412 (38)	Fuel, Furnace and Refractory (F.F.R.)	4	1	-	100	20	20	-	-	140	5
3.	Metallurgical Engineering	238413 (38)	Steel Production	5	1	-	100	20	20	-	-	140	6
4.	Metallurgical Engineering	238414 (38)	Metallurgical Engineering Drawing	3	4	-	100	20	20	-	-	140	5
5.	Mechanical Engineering	200415 (37)	Industrial Management	4	-	-	100	20	10	-	-	130	4
6.	Electronics & Telecommunication Engineering	238421 (28)	Basic Electrical and Electronics Lab	-	-	2	-	-	-	50	20	70	1
7.	Metallurgical Engineering	238422 (38)	Fuel, Furnace and Refractory Lab	-	-	3	-	-	-	50	20	70	2
8.	Metallurgical Engineering	238423 (38)	Steel Production Lab	-	-	3	-	-	-	50	20	70	2
9.	Metallurgical Engineering	238424 (38)	*Industrial Training, Phase I	-	-	1	-	-	-	80	20	100	1
TOTAL				20	7	9	500	100	90	230	80	1000	31

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

ESE – End of Semester Exam.; CT – Class Test; TA- Teacher’s Assessment

*Industrial Training, Phase I , organised after 3rd Sem Exam.

Note : Industrial training (for Phase II) of 2 week will be organised after 4th semester and evaluation will be done in 5th semester.

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

DIPLOMA PROGRAMME IN METALLURGICAL ENGINEERING

Semester – V

COURSE OF STUDY AND SCHEME OF EXAMINATION

S.No	Board of Study	Course Code	Course	Periods/Week (in hours)			Scheme of Examination					Credit L+(T+P)/2	
				L	T	P	Theory			Practical			Total Marks
							ESE	CT	TA	ESE	TA		
1.	Metallurgical Engineering	238511 (38)	Metallurgical Analysis & Corrosion	4	2	-	100	20	20	-	-	140	5
2.	Metallurgical Engineering	238512 (38)	Industrial Metallurgy & Safety Engineering	4	2	-	100	20	20	-	-	140	5
3.	Metallurgical Engineering	238513 (38)	Fundamentals of Mechanical Metallurgy	5	-	-	100	20	20	-	-	140	5
4.	Metallurgical Engineering	238514 (38)	Non-ferrous Extractive Metallurgy	4	2	-	100	20	20	-	-	140	5
5.	Metallurgical Engineering	238515 (38)	Secondary Steel Making	4	-	-	100	20	10	-	-	130	4
6.	Metallurgical Engineering	238521 (38)	Metallurgical Analysis & Corrosion Lab	-	-	3	-	-	-	50	20	70	2
7.	Metallurgical Engineering	238522 (38)	Industrial Metallurgy & Safety Engineering Lab	-	-	2	-	-	-	50	20	70	1
8.	Metallurgical Engineering	238523 (38)	Fundamentals of Mech. Metallurgy Lab	-	-	3	-	-	-	50	20	70	2
9.	Metallurgical Engineering	238524 (38)	*Industrial Training Phase-II	-	-	1	-	-	-	80	20	100	1
TOTAL				21	6	9	500	100	90	230	80	1000	30

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ESE – End of Semester Exam.; CT – Class Test; TA- Teacher's Assessment.

*Industrial Training, Phase II , organised after 4th Sem Exam.

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

DIPLOMA PROGRAMME IN METALLURGICAL ENGINEERING

Semester – VI

COURSE OF STUDY AND SCHEME OF EXAMINATION

S.No	Board of Study	Course Code	Course	Periods/Week (in Hours)			Scheme of Examination					Credit L+(T+P)/2	
				L	T	P	Theory			Practical			Total Marks
							ESE	CT	TA	ESE	TA		
1.	Metallurgical Engineering	238611 (38)	Foundry Practice	4	1	-	100	20	20	-	-	140	5
2.	Metallurgical Engineering	238612 (38)	Testing of Engineering Material	4	1	-	100	20	20	-	-	140	5
3.	Metallurgical Engineering	238613 (38)	Physical Metallurgy	4	1	-	100	20	20	-	-	140	5
4.	Metallurgical Engineering	238614 (38)	Engineering Material	4	1	-	100	20	20	-	-	140	5
5.	Mechanical Engineering	200615 (37)	Entrepreneurship Development	4	1	-	100	20	10	-	-	130	5
6.	Metallurgical Engineering	238621 (38)	Foundry Lab	-	-	2	-	-	-	50	20	70	1
7.	Metallurgical Engineering	238622 (38)	Engineering Material & Testing Lab	-	-	2	-	-	-	50	20	70	1
8.	Metallurgical Engineering	238623 (38)	Physical Metallurgy Lab	-	-	3	-	-	-	50	20	70	2
9.	Metallurgical Engineering	238624 (38)	Project	-	-	4	-	-	-	80	20	100	2
TOTAL				20	5	11	500	100	90	230	80	1000	31

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

ESE – End of Semester Exam.; CT – Class Test; TA- Teacher’s Assessment