



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/Printing Technology/Chemical Engineering
SEMESTER -I

S. No	Subject Code	Board of Study	Subject	Periods Per Week			Scheme of Examination					Total Marks	Credit [L+[T+P]] 2
				L	T	P	Theory			Practical			
							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 VEVEKANAND TECHNICAL UNIVERSITY, BHILAI
Diploma in Civil Engineering/Mechanical Engineering/Chemical Engineering

SEMESTER-II

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 Engg	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 Engg	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 Engg	200222 (37)	Applied Mechanics Lab	-	-	2	-	-	-	50	20	70	1
8	Mechanical Engg	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 Activity

L – Lecturer,

T – Tutorial,

P – Practical,

ESE – End Semester Exam,

CT – Class Test,

TA – Teachers Assessment

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

Diploma in Chemical Engineering

SEMESTER-III

S No.	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	Chemical Engg	219311 (19)	Chemical Process Calculations	4	1	-	100	20	20	-	-	140	5
2	Electrical Engg	219312 (24)	Electrical Engg and Electronics	3	1	-	100	20	20	-	-	140	4
3	Chemical Engg	219313 (19)	Applied Physical and Organic Chemistry	4	1	-	100	20	20	-	-	140	5
4	Mechanical Engg	219314 (37)	Manufacturing Process and Practice	4	1	-	100	20	20	-	-	140	5
5	Chemical Engg	219315 (19)	Equipment Drawing	3	2	-	100	20	20	-	-	140	4
6	Electrical Engg	219321 (24)	Electrical Engg and Electronics Lab	-	-	3				50	25	75	2
7	Chemical Engg	219322 (19)	Applied Physical and Organic Chemistry Lab	-	-	3				50	25	75	2
8	Mechanical Engg	219323 (37)	Manufacturing Process and Practice Lab	-		3				50	25	75	2
9	Chemical Engg	219324 (19)	Computer Aided Drawing in Chemical Engg. - I	-	-	3				50	25	75	2
Total				18	6	12	500	100	100	200	100	1000	31

L – Lecture

ESE – End Semester Examination

T – Tutorial

CT – Class Test

P – Practical

TA – Teacher's Assessment

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

Diploma in Chemical Engineering

SEMESTER-IV

S No.	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	Mechanical Engg	219411 (37)	Economics, Management and Entrepreneurship Development	3	-	-	100	20	20	-	-	140	3
2	Chemical Engg	219412 (19)	Mechanical Operation in Chemical Engg.	4	1	-	100	20	20	-	-	140	5
3	Chemical Engg	219413 (19)	Chemical Process Tech – I	4	1	-	100	20	20	-	-	140	5
4	Chemical Engg	219414 (19)	Material Technology	4	1	-	100	20	20	-	-	140	5
5	Chemical Engg	219415 (19)	Plant Maintenance Safety Environmental Engg.	3	1	-	100	20	20	-	-	140	4
6	Chemical Engg	219421 (19)	Mechanical Operation in Chemical Engg Lab	-	-	3				50	25	75	2
7	Chemical Engg	219422 (19)	Chemical Process Tech – I Lab	-	-	3				50	25	75	2
8	Chemical Engg	219423 (19)	Material Technology Lab	-		3				50	25	75	2
9	Chemical Engg	219424 (19)	Computer Aided Drawing in Chemical Engg - II	-	-	4				50	25	75	2
Total				18	4	13	500	100	100	200	100	1000	30

PP
A –

L – Lecture
ESE – End Semester Examination

T – Tutorial
CT – Class Test

P – Practical
TA – Teacher's Assessment

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

Diploma in Chemical Engineering

SEMESTER-V

S No.	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	Chemical Engg	219511 (19)	Chemical Process Tech – II	4	1	-	100	20	20	-	-	140	5
2	Chemical Engg	219512 (19)	Fluid Mechanics and Heat Transfer	4	1	-	100	20	20	-	-	140	5
3	Chemical Engg	219513 (19)	Mass Transfer Operation – I	4	1	-	100	20	20	-	-	140	5
4	Chemical Engg	219514 (19)	Reaction Engg and Thermodynamics	4	1	-	100	20	20	-	-	140	5
5	Chemical Engg	219515 (19)	Cement Technology	4	1	-	100	20	20	-	-	140	5
6	Chemical Engg	219521 (19)	Chemical Process Tech – II Lab	-	-	3				50	25	75	2
7	Chemical Engg	219522 (19)	Fluid Mechanics and Heat Transfer Lab	-	-	3				50	25	75	2
8	Chemical Engg	219523 (19)	Mass Transfer Operation – I Lab	-		3				50	25	75	2
9	Chemical Engg	219525 (19)	Industrial Training	-	-	2				50	25	75	1
Total				20	5	11	500	100	100	200	100	1000	32

L – Lecture

T – Tutorial

P – Practical

ESE – End Semester Examination

CT – Class Test

TA – Teacher’s Assessment

Note : 1. Industrial Training will be carried out by the student after completion of IV semester examination.

2. Duration of training must be 4 weeks.

3. Training will be organized in IV semester and its evaluation will be done on V semester.

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

Diploma in Chemical Engineering

SEMESTER-VI

S No.	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	Chemical Engineering	219611 (19)	Petroleum Refining and Petro Chemicals	4	1	-	100	20	20	-	-	140	5
2	Chemical Engineering	219612 (19)	Instrumentation Process Control	3	1	-	100	20	20	-	-	140	4
3	Chemical Engineering	219613 (19)	Mass Transfer operation – II	4	1	-	100	20	20	-	-	140	5
4	Chemical Engineering	219614 (19)	Utility Technology	4	1	-	100	20	20	-	-	140	5
5	Chemical Engineering	219621 (19)	Petroleum Refining and Petro Chemicals Lab	-	-	3				50	25	75	2
6	Chemical Engineering	219622 (19)	Instrumentation Process Control Lab	-	-	3				50	25	75	2
7	Chemical Engineering	219623 (19)	Mass Transfer Operation – II Lab	-	-	3				50	25	75	2
8	Chemical Engineering	219624 (19)	Utility Technology Lab	-		4				50	25	75	2
9	Chemical Engineering	219625 (19)	Project	-	-	4				100	40	140	2
Total				15	4	17	400	80	80	300	140	1000	29

L – Lecture

ESE – End Semester Examination

T – Tutorial

CT – Class Test

P – Practical

TA – Teacher’s Assessment