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
							Theory			Practical		Total Marks	
				L	T	P	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 VIVEKANANAD TECHNICAL UNIVERSITY, BHILAI

DIPLOMA PROGRAMME IN MECHANICAL ENGINEERING

Semester-III

COURSE OF STUDY AND SCHEME OF EXAMINATION

S. NO.	Board of Study	Subject Code	Subject	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.	Mechanical Engineering	237311 (37)	Machine Drawing	3	1	-	100	20	20	-	-	140	4
2.	Mechanical Engineering	237312 (37)	Strength of Materials	4	1	-	100	20	20	-	-	140	5
3.	Mechanical Engineering	237313 (37)	Thermal Engineering	4	1	-	100	20	20	-	-	140	5
4.	Electrical Engineering	237314 (24)	Basic Electrical & Electronics	3	1	-	100	20	20	-	-	140	4
5.	Mechanical Engineering	237315 (37)	Industrial Engineering	4	1	-	100	20	20	-	-	140	5
6.	Mechanical Engineering	237321 (37)	Machine Drawing Lab	-	-	4	-	-	-	50	25	75	2
7.	Mechanical Engineering	237322 (37)	Strength of Materials Lab	-	-	3	-	-	-	50	25	75	2
8.	Mechanical Engineering	237323 (37)	Thermal Engineering Lab	-	-	3	-	-	-	50	25	75	2
9.	Electrical Engineering	237324 (24)	Basic Electrical & Electronics Lab	-	-	3	-	-	-	50	25	75	2
TOTAL				**18**	**5**	**13**	**500**	**100**	**100**	**200**	**100**	**1000**	**31**

L : Lecture hours, T : Tutorial hours, P : Practical hours,
ESE : End of Semester Exam, CT: Class test, TA : Teacher's Assessment

CHHATTISGARH SWAMI VIVEKANANAD TECHNICAL UNIVERSITY, BHILAI

DIPLOMA PROGRAMME IN MECHANICAL ENGINEERING

Semester-IV

COURSE OF STUDY AND SCHEME OF EXAMINATION

S. NO.	Board of Study	Subject Code	Subject	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.	Mechanical Engineering	237411 (37)	Fluid Mechanics & Hydraulic Machines	4	1	-	100	20	20	-	-	140	5
2.	Mechanical Engineering	237412 (37)	Material Technology	4	1	-	100	20	20	-	-	140	5
3.	Mechanical Engineering	237413 (37)	Plant Maintenance & Safety	3	1	-	100	20	20	-	-	140	4
4.	Mechanical Engineering	237414 (37)	Manufacturing Process	4	1	-	100	20	20	-	-	140	5
5.	Mechanical Engineering	200415 (37)	Industrial Management	4	-	-	100	20	10	-	-	130	4
6.	Mechanical Engineering	237421 (37)	Fluid Mechanics & Hydraulic Machines Lab	-	-	4	-	-	-	50	25	75	2
7.	Mechanical Engineering	237422 (37)	Material Technology Lab	-	-	3	-	-	-	50	25	75	2
8.	Mechanical Engineering	237423 (37)	Workshop Practice II	-	-	6	-	-	-	100	60	160	3
TOTAL				**19**	**4**	**13**	**500**	**100**	**90**	**200**	**110**	**1000**	**30**

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

ESE : End of Semester Exam, CT: Class test, TA : Teacher's Assessment

Note:- 1. Industrial Training will be done by the student after completion of 4th Semester examination.

2. Duration of training must be 4 weeks.

3. Training will be organised in 4th Semester & its evaluation will be done on 5th Semester.

CHHATTISGARH SWAMI VIVEKANANAD TECHNICAL UNIVERSITY, BHILAI

DIPLOMA PROGRAMME IN MECHANICAL ENGINEERING

Semester-V

COURSE OF STUDY AND SCHEME OF EXAMINATION

S. NO.	Board of Study	Subject Code	Subject	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.	Mechanical Engineering	237511 (37)	Theory of machines	4	1	-	100	20	20	-	-	140	5
2.	Mechanical Engineering	237512 (37)	Metrology & Instrumentation	4	1	-	100	20	20	-	-	140	5
3.	Mechanical Engineering	237513 (37)	CAD/CAM	3	1	-	100	20	20	-	-	140	4
4.	Mechanical Engineering	237514 (37)	Design of Machine elements	4	1	-	100	20	20	-	-	140	5
5.	Mechanical Engineering	237515 (37)	Machine Tool Technology	3	-	-	100	20	20	-	-	140	3
6.	Mechanical Engineering	237521 (37)	Theory of machines Lab	-	-	4	-	-	-	50	25	75	2
7.	Mechanical Engineering	237522 (37)	Metrology & Instrumentation Lab	-	-	3	-	-	-	50	25	75	2
8.	Mechanical Engineering	237523 (37)	CAD/CAM Lab	-	-	6	-	-	-	50	25	75	3
9	Mechanical Engineering	237524 (37)	Industrial Training	-	-	1	-	-	-	50	25	75	1
TOTAL				**18**	**4**	**14**	**500**	**100**	**100**	**200**	**100**	**1000**	**30**

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Note:- 1. Industrial Training will be done by the student after completion of 4th Semester examination.

2. Duration of training must be 4 weeks.

3. Training will be organised in 4th Semester & its evaluation will be done on 5th Semester.

CHHATTISGARH SWAMI VIVEKANANAD TECHNICAL UNIVERSITY, BHILAI

DIPLOMA PROGRAMME IN MECHANICAL ENGINEERING
Semester-VI
COURSE OF STUDY AND SCHEME OF EXAMINATION

S. NO.	Board of Study	Subject Code	Subject	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.	Mechanical Engineering	237611 (37)	Automobile Engineering	4	1	-	100	20	20	-	-	140	5
2.	Mechanical Engineering	237612 (37)	Refrigeration & Air conditioning	4	1	-	100	20	20	-	-	140	5
3.	Mechanical Engineering	237613 (37)	Power Plant Engineering	4	1	-	100	20	20	-	-	140	5
4.	Mechanical Engineering	237614 (37)	Estimating, & Costing	3	1	-	100	20	20	-	-	140	4
5.	Mechanical Engineering	200615 (37)	Entrepreneurship Development	4	1	-	100	20	10	-	-	130	5
6.	Mechanical Engineering	237621 (37)	Automobile Engineering Lab	-	-	3	-	-	-	50	25	75	2
7.	Mechanical Engineering	237622 (37)	Refrigeration & Air conditioning Lab	-	-	3	-	-	-	50	25	75	2
8.	Mechanical Engineering	237623 (37)	Project & Seminar	-	-	6	-	-	-	100	60	160	3
TOTAL				**19**	**5**	**12**	**500**	**100**	**90**	**200**	**110**	**1000**	**31**

L : Lecture hours, T : Tutorial hours, P : Practical hours,
ESE : End of Semester Exam, CT: Class test, TA : Teacher's Assessment