



## 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
<b>Total</b>				<b>16</b>	<b>06</b>	<b>14</b>	<b>500</b>	<b>100</b>	<b>120</b>	<b>200</b>	<b>80</b>	<b>1000</b>	<b>29</b>

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
<b>TOTAL</b>				<b>17</b>	<b>8</b>	<b>11</b>	<b>500</b>	<b>100</b>	<b>100</b>	<b>200</b>	<b>100</b>	<b>1000</b>	<b>29</b>

PPA : Proficiency in Professional Activities.

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 CIVIL ENGINEERING**

**Semester – III**

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.	Civil Engg.	220311 (20)	Surveying-I	4	-	-	100	20	20	-	-	140	4
2.	Civil Engg.	220312 (20)	Material Technology	4	-	-	100	20	20	-	-	140	4
3.	Civil Engg.	220313 (20)	Hydraulics	4	1	-	100	20	20	-	-	140	5
4.	Civil Engg.	220314 (20)	Civil Engg. Drawing	3	4	-	100	20	40	-	-	160	5
5.	Civil Engg.	220315 (20)	Building Construction	4	-	-	100	20	20	-	-	140	4
6.	Civil Engg.	220321 (20)	Surveying-I Lab	-	-	6	-	-	-	50	20	70	3
7.	Civil Engg.	220322 (20)	Material Technology Lab	-	-	2	-	-	-	50	20	70	1
8.	Civil Engg.	220323 (20)	Hydraulics Lab	-	-	2	-	-	-	50	20	70	1
9.	Civil Engg.	220324(20)	Construction Technology Lab	-	-	2	-	-	-	50	20	70	1
<b>TOTAL</b>				<b>19</b>	<b>5</b>	<b>12</b>	<b>500</b>	<b>100</b>	<b>120</b>	<b>200</b>	<b>80</b>	<b>1000</b>	<b>28</b>

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# CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

## DIPLOMA PROGRAMME IN CIVIL ENGINEERING

### Semester – IV

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.	Civil Engg.	220411 (20)	Surveying-II	4	-	-	100	20	30	-	-	150	4
2.	Civil Engg.	220412 (20)	Public Health Engg.	4	1	-	100	20	30	-	-	150	5
3.	Civil Engg.	220413 (20)	Mechanics of Structures	4	1	-	100	20	30	-	-	150	5
4.	Civil Engg.	220414 (20)	Concrete Technology	4	-	-	100	20	30	-	-	150	4
5.	Civil Engg.	220415 (20)	Highway Engineering	4	1	-	100	20	30	-	-	150	5
6.	Civil Engg.	220421 (20)	Surveying – II Lab	-	-	6	-	-	-	50	20	70	3
7.	Civil Engg.	220422 (20)	Concrete Technology Lab	-	-	2	-	-	-	50	20	70	1
8.	Civil Engg.	220423 (20)	Highway Project & Lab	-	-	3	-	-	-	50	20	70	2
9.	Civil Engg.	220424 (20)	Field Visit	-	-	2	-	-	-	-	40	40	1
<b>TOTAL</b>				<b>20</b>	<b>3</b>	<b>13</b>	<b>500</b>	<b>100</b>	<b>150</b>	<b>150</b>	<b>100</b>	<b>1000</b>	<b>30</b>

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**Note:** Students will have to go for 4 weeks Industrial Training just after the end of the 4<sup>th</sup> Semester examination. The sessional marks and the Credit will be awarded in the V Semester.

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI**

**DIPLOMA PROGRAMME IN CIVIL ENGINEERING**

**Semester – V**

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.	Civil Engg.	220511 (20)	Quantity Surveying & Costing-I	4	1	-	100	20	30	-	-	150	5
2.	Civil Engg.	220512 (20)	Structural Design & Drafting-I	5	1	-	100	20	30	-	-	150	6
3.	Civil Engg.	220513 (20)	Railways & Bridges	5	1	-	100	20	20	-	-	140	6
4.	Civil Engg.	220514 (20)	Irrigation Engineering	4	1	-	100	20	20	-	-	140	5
5.	Civil Engg.	220515 (20)	Soil Mechanics	4	1	-	100	20	20	-	-	140	5
6.	Civil Engg.	220521 (20)	Quantity Surveying & Costing-Lab	-	-	4	-	-	-	50	20	70	2
7.	Civil Engg.	220522 (20)	Structural Design & Drafting-I Practical	-	-	2	-	-	-	50	20	70	1
8.	Civil Engg.	220523 (20)	Soil Mechanics Lab	-	-	2	-	-	-	50	20	70	1
9.	Civil Engg.	220524 (20)	Industrial Training	-	-	1	-	-	-	50	20	70	1
<b>TOTAL</b>				<b>22</b>	<b>5</b>	<b>9</b>	<b>500</b>	<b>100</b>	<b>120</b>	<b>200</b>	<b>80</b>	<b>1000</b>	<b>32</b>

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**Note:** Students will have to go for 4 weeks Industrial Training just after the end of the 4<sup>th</sup> Semester examination. The sessional marks and the Credit will be awarded in the V Semester.

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI**

**DIPLOMA PROGRAMME IN CIVIL ENGINEERING**

**Semester – VI**

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.	Civil Engg.	220611 (20)	Quantity Surveying & Costing-II	4	1	-	100	20	30	-	-	150	5
2.	Civil Engg.	220612 (20)	Structural Design & Drafting-II	4	1	-	100	20	30	-	-	150	5
3.	Civil Engg.	220613 (20)	Computer Aided Drafting and Programming	2	1	-	100	20	30	-	-	150	3
4.	Civil Engg.	220614 (20)	Construction Management	4	1	-	100	20	20	-	-	140	5
5.	Mech. Engg.	200615 (37)	Entrepreneurship Development	4	1	-	100	20	10	-	-	130	5
6.	Civil Engg.	220621 (20)	Quantity Surveying & Costing-II Lab	-	-	2	-	-	-	50	20	70	1
7.	Civil Engg.	220622 (20)	Structural Design & Drafting-II Practical	-	-	2	-	-	-	50	20	70	1
8.	Civil Engg.	220623 (20)	Computer Aided Drafting and Programming Lab	-	-	4	-	-	-	50	20	70	2
9.	Civil Engg.	220624 (20)	Project	-	-	5	-	-	-	50	20	70	3
<b>TOTAL</b>				<b>18</b>	<b>5</b>	<b>13</b>	<b>500</b>	<b>100</b>	<b>120</b>	<b>200</b>	<b>80</b>	<b>1000</b>	<b>30</b>

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