



# Chhattisgarh Swami Vivekananda Technical University, Bhilai

## Part Time Diploma Programme in Civil Engineering

### Semester – I

#### Scheme of Studies:

Sl.No.	Board of Studies	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	T	P	Credit (C) L+T+(P)/2
1	Humanities	0000171(046)	Communication Skill-I	2	1	-	3
2	Applied Science	0000172(014)	Applied Maths-I	2	1	-	3
3	Applied Science	0000173(011)	Applied Chemistry	2	1	-	3
4	Mechanical Engineering	0000174(037)	Workshop Practice (Theory)	1	-	-	1
5	Applied Science	0000191(011)	Applied Chemistry (Lab)	-	-	2	1
6	Mechanical Engineering	0000193(037)	Workshop Practice (Practical)	-	-	4	2
<b>Total</b>				<b>07</b>	<b>03</b>	<b>06</b>	<b>13</b>

L-Lecture,

T-Tutorial,

P-Practical

Lecture (L)→CI Classroom Instruction (Includes different instructional Strategies i.e Lecture and others)

Practical (P)→LI Laboratory Instruction (Includes practical performances in Laboratory ,workshop, field or other locations using different instructional strategies).

Tutorial (T)→Includes sessional work (SW) (assignment, seminar, mini project etc), & Self Learning (SL)

**Note:- Syllabus of subject in Part Time Diploma course will be same as the syllabus of subject in regular Diploma course with same subject name but different subject code.**



# Chhattisgarh Swami Vivekananda Technical University, Bhilai

## Part Time Diploma Programme in Civil Engineering

### Semester – I

#### Scheme of Examination:

Sl.No.	Board of Studies	Course Code	Course Titles	Scheme of Examination					Total Marks
				Theory			Practical		
				ESE	CT	TA	ESE	TA	
1	Humanities	0000171(046)	Communication Skill-I	70	20	30	-	-	120
2	Applied Science	0000172(014)	Applied Maths-I	70	20	30	-	-	120
3	Applied Science	0000173(011)	Applied Chemistry	70	20	30	-	-	120
4	Mechanical Engineering	0000174(037)	Workshop Practice (Theory)	-	-	30	-	-	30
5	Applied Science	0000191(011)	Applied Chemistry (Lab)	-	-	-	30	50	80
6	Mechanical Engineering	0000193(037)	Workshop Practice (Practical)	-	-	-	50	30	80
<b>Total</b>				<b>210</b>	<b>60</b>	<b>120</b>	<b>80</b>	<b>80</b>	<b>550</b>

**ESE** : End Semester Exam,

**CT**: Class Test,

**TA**: Teachers Assessment

- Note: i) TA in Theory includes Sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% of total respectively.  
 ii) TA in Practical includes performance of PRA, PDA and Viva-Voce with weightage of 50%, 40% and 10% of total respectively.  
 iii) 85% attendance is essential in theory & Practical classes to appear in examination.

Legend :- PRA :Process Assessment, PDA : Product Assessment



# Chhattisgarh Swami Vivekananda Technical University, Bhilai

## Part Time Diploma Programme in Civil Engineering

### Semester – II

#### Scheme of Studies:

Sl.No.	Board of Studies	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	T	P	Credit(C) L+T+(P)/2
1	Humanities	0000271(046)	Communication Skill-II	2	1	-	3
2	Applied Science	0000272(014)	Applied Maths-II	2	1	-	3
3	Applied Science	0000273(015)	Applied Physics	2	1	-	3
4	Computer Science & Engineering	0000274(022)	Computer Fundamentals and Applications	2	-	-	2
5	Applied Science	0000290(015)	Applied Physics (Lab)	-	-	2	1
6	Computer Science & Engineering	0000291(022)	Computer Fundamentals and Applications (Lab)	-	-	4	2
<b>Total</b>				<b>08</b>	<b>03</b>	<b>06</b>	<b>14</b>

L-Lecture,

T-Tutorial,

P-Practical

Lecture (L)→CI Classroom Instruction (Includes different instructional Strategies i.e Lecture and others)

Practical (P)→LI Laboratory Instruction (Includes practical performances in Laboratory ,workshop, field or other locations using different instructional strategies).

Tutorial (T)→Includes sessional work (SW) (assignment, seminar, mini project etc), & Self Learning (SL)

**Note:- Syllabus of subject in Part Time Diploma course will be same as the syllabus of subject in regular Diploma course with same subject name but different subject code.**



# Chhattisgarh Swami Vivekananda Technical University, Bhilai

## Part Time Diploma Programme in Civil Engineering

### Semester – II

#### Scheme of Examination:

Sl No.	Board of Studies	Course Code	Course Titles	Scheme of Examination					Total Marks
				Theory			Practical		
				ESE	CT	TA	ESE	TA	
1	Humanities	0000271(046)	Communication Skill-II	70	20	30	-	-	120
2	Applied Science	0000272(014)	Applied Maths-II	70	20	30	-	-	120
3	Applied Science	0000273(015)	Applied Physics	70	20	30	-	-	120
4	Computer Science & Engineering	0000274(022)	Computer Fundamentals and Applications	70	20	30	-	-	120
5	Applied Science	0000290(015)	Applied Physics (Lab)	-	-	-	30	50	80
6	Computer Science & Engineering	0000291(022)	Computer Fundamentals and Application (Lab)	-	-	-	30	50	80
<b>Total</b>				<b>280</b>	<b>80</b>	<b>120</b>	<b>60</b>	<b>100</b>	<b>640</b>

**ESE** : End Semester Exam,

**CT**: Class Test,

**TA**: Teachers Assessment

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 ii) TA in Practical includes performance of PRA, PDA and Viva-Voce with weightage of 50%, 40% and 10% of total respectively.  
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# Chhattisgarh Swami Vivekananda Technical University, Bhilai

## Part Time Diploma Programme in Civil Engineering

### Semester – III

#### Scheme of Studies:

Sl.No.	Board of Studies	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	T	P	Credit (C) L+T+(P)/2
1	Mechanical Engineering	0000371(037)	Applied Mechanics	2	1	-	3
2	Mechanical Engineering	0000372(037)	Engineering Drawing	2	1	-	3
3	Mechanical Engineering	0000374(037)	Basic Non-Conventional Energy Sources	1	1		2
4	Civil Engineering	0000373(020)	Environmental Engineering and Sustainable Development	2	1	-	3
5	Mechanical Engineering	0000390(037)	Applied Mechanics (Lab)	-	-	2	1
6	Mechanical Engineering	0000391(037)	Basic Non-Conventional Energy Sources (Lab)	-	-	2	1
7	Mechanical Engineering	0000392(037)	Engineering Drawing (Practical)	-	-	2	1
8	Humanities	0000393(046)	<b>Seminar &amp; Technical Presentation (Personality Development &amp; Leadership) Skills</b>	-	-	2	1
<b>Total</b>				<b>07</b>	<b>04</b>	<b>08</b>	<b>15</b>

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Tutorial (T)→Includes sessional work (SW) (assignment, seminar, mini project etc), & Self Learning (SL)

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# Chhattisgarh Swami Vivekananda Technical University, Bhilai

## Part Time Diploma Programme in Civil Engineering

### Semester – III

#### Scheme of Examination:

Sl.No	Board of Studies	Course Code	Course Titles	Scheme of Examination					Total Marks
				Theory			Practical		
				ESE	CT	TA	ESE	TA	
1	Mechanical Engineering	0000371(037)	Applied Mechanics	70	20	30	-	-	120
2	Mechanical Engineering	0000372(037)	Engineering Drawing	70	20	30	-	-	120
3	Mechanical Engineering	0000374(037)	Basic Non-Conventional Energy Sources	-	-	70	-	-	70
4	Civil Engineering	0000373(020)	Environmental Engineering and Sustainable Development	70	50	30	-	-	150
5	Mechanical Engineering	0000390(037)	Applied Mechanics (Lab)	-	-	-	30	50	80
6	Mechanical Engineering	0000391(037)	Basic Non-Conventional Energy Sources (Lab)	-	-	-	30	50	80
7	Mechanical Engineering	0000392(037)	Engineering Drawing (Practical)	-	-	-	30	50	80
8	Humanities	0000393(046)	<b>Seminar &amp; Technical Presentation (Personality Development &amp; Leadership) Skills</b>	-	-	-	-	60	60
<b>Total</b>				<b>210</b>	<b>90</b>	<b>160</b>	<b>90</b>	<b>210</b>	<b>760</b>

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CT: Class Test,

TA: Teachers Assessment

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# Chhattisgarh Swami Vivekananda Technical University, Bhilai

## Part Time Diploma Programme in Civil Engineering

### Semester – IV

#### Scheme of Studies:

S.No.	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	Civil Engineering	0020471(020)	Construction Material	2	-	-	2
2	Civil Engineering	0020472(020)	Surveying-I	2	-	-	2
3	Civil Engineering	0020473(020)	Building Drawing and CAD	2	-	2	4
4	Civil Engineering	0020474(020)	Hydraulics	3	-	1	4
5	Civil Engineering	0020490(020)	Construction Material (Lab)	-	2	-	1
6	Civil Engineering	0020491(020)	Surveying-I (Lab)	-	4	-	2
7	Civil Engineering	0020492(020)	CAD (Lab)	-	4	-	2
8	Civil Engineering	0020493(020)	Hydraulics (Lab)	-	2	-	1
9	Humanities	0020495(046)	Seminar & Technical Presentation (Listening, Reading & Speaking) Skills	-	2	-	1
<b>Total</b>				<b>09</b>	<b>14</b>	<b>03</b>	<b>19</b>

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P-Practical

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# Chhattisgarh Swami Vivekananda Technical University, Bhilai

## Part Time Diploma Programme in Civil Engineering

### Semester – IV

#### Scheme of Examination:

Sl.No	Board of Studies	Course Code	Course Titles	Scheme of Examination					Total Marks
				Theory			Practical		
				ESE	CT	TA	ESE	TA	
1	Civil Engineering	0020471(020)	Construction Material	70	20	30	-	-	120
2	Civil Engineering	0020472(020)	Surveying-I	70	20	30	-	-	120
3	Civil Engineering	0020473(020)	Building Drawing and CAD	70	20	30	-	-	120
4	Civil Engineering	0020474(020)	Hydraulics	70	20	30	-	-	120
5	Civil Engineering	0020490(020)	Construction Material (Lab)	-	-	-	30	50	80
6	Civil Engineering	0020491(020)	Surveying-I (Lab)	-	-	-	30	50	80
7	Civil Engineering	0020492(020)	CAD (Lab)	-	-	-	30	50	80
8	Civil Engineering	0020493(020)	Hydraulics (Lab)	-	-	-	30	50	80
9	Humanities	0020495(046)	Seminar & Technical Presentation (Listening, Reading & Speaking) Skills	-	-	-	-	50	50
<b>Total</b>				<b>280</b>	<b>80</b>	<b>120</b>	<b>120</b>	<b>250</b>	<b>850</b>

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# Chhattisgarh Swami Vivekananda Technical University, Bhilai

## Part Time Diploma Programme in Civil Engineering

### Semester – V

#### Scheme of Studies:

S.No.	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	Civil Engineering	0020571(020)	Surveying-II	2	-	-	2
2	Civil Engineering	0020572(020)	Building Construction	2	-	-	2
3	Civil Engineering	0020573(020)	Strength of Material	3	-	1	4
4	Civil Engineering	0020574(020)	Concrete Technology	2	-	-	2
5	Civil Engineering	0020591(020)	Surveying-II (Lab)	-	4	-	2
6	Civil Engineering	0020592(020)	Building Construction (Lab)	-	2	-	1
7	Civil Engineering	0020593(020)	Strength of Material (Lab)	-	2	-	1
8	Civil Engineering	0020594(020)	Concrete Technology (Lab)	-	2	-	1
9	Humanities	--	Physical and Mental Fitness	-	2	-	-
10	Humanities	--	Indian Constitutions	-	2	-	-
<b>Total</b>				<b>09</b>	<b>14</b>	<b>01</b>	<b>15</b>

L-Lecture,

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## Part Time Diploma Programme in Civil Engineering

### Semester – V

#### Scheme of Examination:

Sl.No	Board of Studies	Course Code	Course Titles	Scheme of Examination					Total Marks
				Theory			Practical		
				ESE	CT	TA	ESE	TA	
1	Civil Engineering	0020571(020)	Surveying-II	70	20	30	-	-	120
2	Civil Engineering	0020572(020)	Building Construction	70	20	30	-	-	120
3	Civil Engineering	0020573(020)	Strength of Material	70	20	30	-	-	120
4	Civil Engineering	0020574(020)	Concrete Technology	70	20	30	-	-	120
5	Civil Engineering	0020591(020)	Surveying-II (Lab)	-	-	-	30	50	80
6	Civil Engineering	0020592(020)	Building Construction (Lab)	-	-	-	30	50	80
7	Civil Engineering	0020593(020)	Strength of Material (Lab)	-	-	-	30	50	80
8	Civil Engineering	0020594(020)	Concrete Technology (Lab)	-	-	-	30	50	80
9	Humanities	--	Physical and Mental Fitness	-	-	-	-	-	-
10	Humanities	--	Indian Constitutions	-	-	-	-	-	-
<b>Total</b>				<b>280</b>	<b>80</b>	<b>120</b>	<b>280</b>	<b>80</b>	<b>120</b>

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# Chhattisgarh Swami Vivekananda Technical University, Bhilai

## Part Time Diploma Programme in Civil Engineering

### Semester – VI

#### Scheme of Studies:

S.No.	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	Civil Engineering	0020671(020)	Transportation Engineering	2	-	-	2
2	Civil Engineering	<b>Elective-I</b>		3	-	-	3
		0020681(020)	<b>Advanced Construction Technology</b>				
		0020682(020)	<b>Traffic Engineering</b>				
		0020683(020)	<b>Pavement Design Construction &amp; Maintenance</b>				
3	Civil Engineering	0020672(020)	Structural Design & Drafting-I	2	-	1	3
4	Civil Engineering	0020673(020)	Quantity Surveying & Costing-I	2	-	1	3
5	Civil Engineering	0020691(020)	Transportation Engineering (Lab)	-	2	-	1
6	Civil Engineering	0020692(020)	Public Health Engineering (Lab)	-	2	-	1
7	Civil Engineering	0020693(020)	Structural Design & Drafting-I (Lab)	-	2	-	1
8	Civil Engineering	0020694(020)	Quantity Surveying & Costing-I (Lab)	-	2	-	1
9	Humanities	0020695(046)	<b>Indian Constitutions</b>	2	-	-	-
<b>Total</b>				<b>11</b>	<b>08</b>	<b>02</b>	<b>15</b>

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## Part Time Diploma Programme in Civil Engineering

### Semester – VI

#### Scheme of Examination:

Sl. No	Board of Studies	Course Code	Course Titles	Scheme of Examination					Total Marks
				Theory			Practical		
				ESE	CT	TA	ESE	TA	
1	Civil Engineering	0020671(020)	Transportation Engineering	70	20	30	-	-	120
2	Civil Engineering	<b>Elective-I</b>		70	20	30	-	-	120
		0020681(020)	<b>Advanced Construction Technology</b>						
		0020682(020)	<b>Traffic Engineering</b>						
		0020683(020)	<b>Pavement Design Construction &amp; Maintenance</b>						
3	Civil Engineering	0020672(020)	Structural Design & Drafting-I	70	20	30	-	-	120
4	Civil Engineering	0020673(020)	Quantity Surveying & Costing-I	70	20	30	-	-	120
5	Civil Engineering	0020691(020)	Transportation Engineering (Lab)	-	-	-	30	50	80
6	Civil Engineering	0020692(020)	Public Health Engineering (Lab)	-	-	-	30	50	80
7	Civil Engineering	0020693(020)	Structural Design & Drafting-I (Lab)	-	-	-	40	60	100
8	Civil Engineering	0020694(020)	Quantity Surveying & Costing-I (Lab)	-	-	-	40	60	100
9	Humanities	0020695(046)	<b>Indian Constitutions*</b>	70*	20*	30*	-	-	<b>120*</b>
<b>Total</b>				<b>280</b>	<b>80</b>	<b>120</b>	<b>140</b>	<b>220</b>	<b>840</b>

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**CT:** Class Test,

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- Note: i) TA in Theory includes Sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% of total respectively.  
 ii) TA in Practical includes performance of PRA, PDA and Viva-Voce with weightage of 50%, 40% and 10% of total respectively.  
 iii) \* **Not to be added in total marks.**