



Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Electrical 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
Total				07	03	06	13

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 Electrical 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
Total				210	60	120	80	80	550

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 Electrical 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
Total				08	03	06	14

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)

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Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Electrical 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
Total				280	80	120	60	100	640

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.

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Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Electrical 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)	Seminar & Technical Presentation (Personality Development & Leadership) Skills	-	-	2	1
Total				07	04	08	15

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)

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Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Electrical 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)	Seminar & Technical Presentation (Personality Development & Leadership) Skills	-	-	-	-	60	60
Total				210	90	160	90	210	760

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 Electrical Engineering Semester – IV

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	Electrical Engineering	0024471(024)	Electrical Circuits	2	-	1	3
2	Electrical Engineering	0024472(024)	Electrical and Electronic Measurements	2	-	1	3
3	Electrical & Electronics Engineering	0024473(025)	Basic Electronics	2	-	1	3
4	Electrical Engineering	0024474(024)	Electrical Drawing and CAD	3	-	0	3
5	Electrical Engineering	0024490(024)	Electrical Circuits (Lab)		2	-	1
6	Electrical Engineering	0024491(024)	Electrical and Electronic Measurements (Lab)	-	2	-	1
7	Electrical & Electronics Engineering	0024492(025)	Basic Electronics (Lab)	-	2	-	1
8	Electrical Engineering	0024493(024)	Electrical Workshop Practice-I (Lab)	-	2	-	1
9	Humanities	0024495(046)	Seminar & Technical Presentation (Listening, Reading & Speaking) Skills	-	2	-	1
10	Humanities	-	Health, Hygiene and Yoga (Non-Credit Subject)	-	2	-	-
11	Humanities	-	Library	-	2	-	-
Total				09	14	03	17

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)

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Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Electrical 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	Electrical Engg.	0024471(024)	Electrical Circuits	70	20	30	-	-	120
2	Electrical Engg.	0024472(024)	Electrical and Electronic Measurements	70	20	30	-	-	120
3	Electrical & Electronics Engg.	0024473(025)	Basic Electronics	70	20	30	-	-	120
4	Electrical Engg.	0024474(024)	Electrical Drawing and CAD	70	20	30	-	-	120
5	Electrical Engg.	0024490(024)	Electrical Circuits (Lab)	-	-	-	30	50	80
6	Electrical Engg.	0024491(024)	Electrical and Electronic Measurements (Lab)	-	-	-	30	50	80
7	Electrical & Electronics Engg.	0024492(025)	Basic Electronics (Lab)	-	-	-	30	50	80
8	Electrical Engg.	0024493(024)	Electrical Workshop Practice-I (Lab)	-	-	-	30	50	80
9	Humanities	0024495(046)	Seminar & Technical Presentation (Listening, Reading & Speaking) Skills	-	-	-	-	50	50
10	Humanities	-	Health, Hygiene and Yoga (Non-Credit Subject)	-	-	-	-	-	-
11	Humanities	-	Library	70	20	30	-	-	120
Total				280	80	120	120	250	850

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 % weightage of total respectively.
 ii) TA in Practical includes performance of PRA, PDA and Viva-Voce with weightage of 50%, 40% and 10% weightage of total respectively.
 iii) 85% attendance is essential in theory & Practical classes to appear in examination.

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Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Electrical Engineering Semester – V

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	Electrical Engineering	0024571(024)	DC Machine and Transformers	2	-	1	3
2	Electrical Engineering	0024572(024)	Digital Electronics	2	-	1	3
3	Electrical Engineering	0024573(024)	Electrical Power Generation, Transmission & Distribution	2	-	1	3
4	Electrical Engineering	0024574(024)	Electrical Estimating and Costing	3	-	-	3
5	Electrical Engineering	0024591(024)	DC Machine and Transformers (Lab)	-	2	-	1
6	Electrical Engineering	0024592(024)	Digital Electronics (Lab)	-	2	-	1
7	Electrical Engineering	0024593(024)	Electrical Power Generation, Transmission & Distribution (Lab)	-	2	-	1
8	Electrical Engineering	0024594(024)	Electrical Workshop Practice-II (Lab)	-	2	-	1
9	Humanities	--	Indian Constitution (Non Credit Subject)	-	2	-	-
10	Humanities	--	Library	-	2	-	-
Total				09	12	03	16

L-Lecture,

T-Tutorial,

P-Practical

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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 Electrical 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	Electrical Engineering	0024571(024)	DC Machine and Transformers	70	20	30	-	-	120
2	Electrical Engineering	0024572(024)	Digital Electronics	70	20	30	-	-	120
3	Electrical Engineering	0024573(024)	Electrical Power Generation, Transmission & Distribution	70	20	30	-	-	120
4	Electrical Engineering	0024574(024)	Electrical Estimating and Costing	70	20	30	-	-	120
5	Electrical Engineering	0024591(024)	DC Machine and Transformers (Lab)	-	-	-	30	50	80
6	Electrical Engineering	0024592(024)	Digital Electronics (Lab)	-	-	-	30	50	80
7	Electrical Engineering	0024593(024)	Electrical Power Generation, Transmission & Distribution (Lab)	-	-	-	30	50	80
8	Electrical Engineering	0024594(024)	Electrical Workshop Practice-II (Lab)	-	-	-	30	50	80
9	Humanities	--	Indian Constitution (Non Credit Subject)	-	-	-	-	-	-
10	Humanities	--	Library	-	-	-	-	-	-
Total				280	80	120	120	200	800

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CT: Class Test,

TA: Teachers Assessment

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



Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Electrical Engineering

Semester – VI

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	Electrical Engineering	0024671(024)	AC Machines	2	1	-	3
2	Computer Science & Engineering	0024672(022)	Computer Programming and Basic Networking	3	0	-	3
3	Electrical Engineering	0024673(024)	Power Electronics	3	1	-	4
4	Electrical Engineering	0024674(024)	Installation and Maintenance of Electrical Equipments	2	1	-	3
5	Electrical Engineering	0024691(024)	AC Machines (Lab)	-	-	2	1
6	Computer Science & Engineering	0024692(022)	Computer Programming and Basic Networking (Lab)	-	-	2	1
7	Electrical Engineering	0024693(024)	Power Electronics (Lab)	-	-	2	1
8	Electrical Engineering	0024694(024)	Installation and Maintenance of Electrical Equipments (Lab)	-	-	2	1
9	Humanities	--	Library	-	-	3	-
Total				10	03	11	17

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T-Tutorial,

P-Practical

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Chhattisgarh Swami Vivekananda Technical University, Bhilai

Part Time Diploma Programme in Electrical 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	Electrical Engineering	0024671(024)	AC Machines	70	20	30	-	-	120
2	Computer Science & Engineering	0024672(022)	Computer Programming and Basic Networking	70	20	30	-	-	120
3	Electrical Engineering	0024673(024)	Power Electronics	70	20	30	-	-	120
4	Electrical Engineering	0024674(024)	Installation and Maintenance of Electrical Equipments	70	20	30	-	-	120
5	Electrical Engineering	0024691(024)	AC Machines (Lab)	-	-	-	30	50	80
6	Computer Science & Engineering	0024692(022)	Computer Programming and Basic Networking (Lab)	-	-	-	30	50	80
7	Electrical Engineering	0024693(024)	Power Electronics (Lab)	-	-	-	40	50	90
8	Electrical Engineering	0024694(024)	Installation and Maintenance of Electrical Equipments (Lab)	-	-	-	40	50	90
9	Humanities	--	Library	-	-	-	-	-	-
Total				280	80	120	140	200	820

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% weightage of total respectively.

ii) TA in Practical includes performance of PRA, PDA and Viva-Voce with weightage of 50%, 40% and 10% weightage of total respectively.

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