



# Chhattisgarh Swami Vivekanand Technical University (CSVTU), Bhilai (CG)

## Scheme of Teaching and Examination

### Courses of Study and Scheme of Examination of M. Tech. (High Voltage Engineering)

#### Semester - I

S. No	Board of Study	Subject Code	Subject	Periods per Week			Scheme of Examination			Total Marks	Credit L+(T+P)/2
				L	T	P	Theory/Practical				
							ESE	CT	TA		
1	Electrical Engineering	5100111(024)	Mathematical Methods for Power Engineering	3	1	-	100	20	20	140	4
2	Electrical Engineering	5100112(024)	High Voltage Engineering & Measurement	3	1	-	100	20	20	140	4
3	Electrical Engineering	5100113(024)	Power System Protection	3	1	-	100	20	20	140	4
4	Electrical Engineering	5100114(024)	High Voltage AC/DC Transmission	3	1	-	100	20	20	140	4
5	<b>Refer Table-I</b>		<b>Elective-I</b>	3	1	-	100	20	20	140	4
6	Electrical Engineering	5100121(024)	High Voltage Engineering Lab-1	-	-	3	75	-	75	150	2
7	Electrical Engineering	5100122(024)	Power System Protection Lab	-	-	3	75	-	75	150	2
<b>Total</b>				<b>15</b>	<b>5</b>	<b>6</b>	<b>650</b>	<b>100</b>	<b>250</b>	<b>1000</b>	<b>24</b>

Table – I

<b>Elective-I</b>			
S. No.	Board of Study	Subject Code	Subject
1	Electrical Engineering	5100131(024)	Power Electronics for Renewable Sources
2	Electrical Engineering	5100132(024)	Physics for Dielectrics
3	Electrical Engineering	5100133(024)	Analysis of Electrical Machine
4	Electrical Engineering	5100134(024)	Power System Dynamics & Control

L-Lecture, T-Tutorial, P-Practical, ESE-End Semester Exam, CT- Class Test, TA-Teacher's Assessment

- Note:** 1. 1/4th of total strength of students subject to minimum of four students is required to offer an elective in the college in a Particular academic session.  
2. Choice of elective course once made for an examination can be changed in future examinations



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## Scheme of Teaching and Examination

### Courses of Study and Scheme of Examination of M. Tech. (High Voltage Engineering)

#### Semester - II

S. No.	Board of Study	Subject Code	Subject	Periods per Week			Scheme of Examination			Total Marks	Credit L+(T+P)/2
				L	T	P	Theory/Practical				
							ESE	CT	TA		
1	Electrical Engineering	5100211(024)	Optimization Techniques	3	1	-	100	20	20	140	4
2	Electrical Engineering	5100212(024)	High Voltage Testing Techniques	3	1	-	100	20	20	140	4
3	Electrical Engineering	5100213(024)	Computer Aided Power System	3	1	-	100	20	20	140	4
4	Electrical Engineering	5100214(024)	Advanced High Voltage Protection System	3	1	-	100	20	20	140	4
5	<b>Refer Table-II</b>		<b>Elective-II</b>	3	1	-	100	20	20	140	4
6	Electrical Engineering	5100221(024)	High Voltage Engineering Lab-II	-	-	3	75	-	75	150	2
7	Electrical Engineering	5100222(024)	Computer Aided Power System Lab	-	-	3	75	-	75	150	2
<b>Total</b>				<b>15</b>	<b>5</b>	<b>6</b>	<b>650</b>	<b>100</b>	<b>250</b>	<b>1000</b>	<b>24</b>

**Table - II**

<b>Elective - II</b>			
S. No.	Board of Study	Subject Code	Subject
1	Electrical Engineering	5100231(024)	Computation of Electromagnetics
2	Electrical Engineering	5100232(024)	Distribution System Planning, Management and Automation
3	Electrical Engineering	5100233(024)	Substation Designing
4	Electrical Engineering	5100234(024)	Electrical Power Quality Analysis

L-Lecture, T-Tutorial, P-Practical, ESE-End Semester Exam, CT- Class Test, TA-Teacher's Assessment

- Note:** 1. 1/4th of total strength of students subject to minimum of four students is required to offer an elective in the college in a Particular academic session.  
2. Choice of elective course once made for an examination can be changed in future examinations