

Chhattisgarh Swami Vivekanand Technical University Bhilai (C.G.)

**SCHEME OF EXAMINATION
DEPARTMENT OF ELECTRICAL ENGINEERING**

M.E. in Power Systems Engineering

FIRST SEMESTER

S. No.	Board of Study	Subject Code	Subject	Periods per week			Scheme of exam			Total Marks	Credit L+(T+P)/2
				L	T	P	Theory/Practical				
							ESE	CT	TA		
1.	Electrical Engg.	559111 (24)	Power System Dynamics	3	1	-	100	20	20	140	4
2.	Electrical Engg.	559112 (24)	Computer Aided Power System Analysis	3	1	-	100	20	20	140	4
3.	Electrical Engg.	559113 (24)	Power System Protection	3	1	-	100	20	20	140	4
4.	Electrical Engg.	559114 (24)	Flexible AC Transmission System (FACTS)	3	1	-	100	20	20	140	4
5.	Refer Table-I		Elective-I	3	1	-	100	20	20	140	4
6.	Electrical Engg.	559121 (24)	Power System - Lab I	-	-	3	75	-	75	150	2
7.	Electrical Engg.	559122 (24)	Protection Simulation Lab	-	-	3	75	-	75	150	2
TOTAL				15	5	6	650	100	250	1000	24

Table -I

Elective- I			
Sr. No.	Board of Study	Subject Code	Subject
1	Electrical Engg.	559131 (24)	Power Electronics
2	Electrical Engg.	559132 (24)	Digital Signal Processing
3	Electrical Engg.	559133 (24)	Distributed Generation

Lecture
CT- Class Test

T- Tutorial
TA- Teachers Assessment

P-Practical

ESE- End Semester Exam

Note (1) – 1/4th of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a Particular academic session .

Note (2) – Choice of elective course once made for an examination cannot be changed in future examinations.

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SECOND SEMESTER

S. No	Board of Study	Subject Code	Subject	Periods per week			Scheme of exam			Total Marks	Credit L+(T+P)/2
				L	T	P	Theory/Practical				
							ESE	CT	TA		
1.	Electrical Engg.	559211 (24)	EHV-AC & DC	3	1	-	100	20	20	140	4
2.	Electrical Engg.	559212 (24)	Power Quality	3	1	-	100	20	20	140	4
3.	Electrical Engg.	559213 (24)	Power System Stability and Control	3	1	-	100	20	20	140	4
4.	Electrical Engg.	559214 (24)	Power System Generation Operation & Control	3	1	-	100	20	20	140	4
5.	Refer Table- II		Elective-II	3	1	-	100	20	20	140	4
6.	Electrical Engg.	559221 (24)	Power System Lab-II	-	-	3	75	-	75	150	2
7.	Electrical Engg.	559222 (24)	Power Quality Lab	-	-	3	75	-	75	150	2
TOTAL				15	5	6	650	100	250	1000	24

Table -II

Elective II			
Sr. No.	Board of Study	Subject Code	Subject
1	Electrical Engg.	559231 (24)	Transients in Power System
2	Electrical Engg.	559232 (24)	Restructuring Power System
3	Electrical Engg.	559233 (24)	Distribution System Automation

L- Lecture T- Tutorial
P-Practical ESE End Semester Exam
CT- Class Test TA - Teachers Assessment

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THIRD SEMESTER

S. No.	Board of Study	Subject Code	Subject	Periods per week			Scheme of exam			Total Marks	Credit L+(T+P)/2
				L	T	P	Theory/Practical				
							ESE	CT	TA		
1.	Electrical Engineering	559311 (24)	Power System Planning & Management	3	1	-	100	20	20	140	4
2.	Refer Table- III		Elective-III	3	1	-	100	20	20	140	4
3.	Electrical Engineering	559421 (24)	Project	-	-	28	100	-	100	200	14
4.	Electrical Engineering	559422 (24)	Seminar	-	-	3			20	20	2
TOTAL				6	2	31	300	40	160	500	24

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

Table -III

Elective- III			
S. No.	Board of Study	Subject Code	Subject
1	Electrical Engg.	559331 (24)	Energy Conservation & Audit
2	Electrical Engg.	559332 (24)	ANN & Fuzzy Techniques
3	Electrical Engg.	559333 (24)	Power System Reliability

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FOURTH SEMESTER

S. No	Board of Study	Subject Code	Subject	Periods per week			Scheme of exam			Total Marks	Credit L+(T+P)/2
				L	T	P	Theory/Practical				
							ESE	CT	TA		
1.	Electrical Engg.	559421 (24)	Project + Seminar	6	-	34	300	-	200	500	23
Total				6	-	34	300	-	200	500	23

L- Lecture T- Tutorial
P-Practical ESE- End Semester Exam
CT- Class Test TA- Teachers Assessment

Scheme of Marks Allotment

Semester	Total Marks	Grand Total
I	1000	3000
II	1000	
III	500	
IV	500	