PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(With Effective from Academic Session 2019-20 onwards)

PROGRAMME: Master of Technology
BRANCH : Electrical Engineering **Specialization: Power System** **SEMESTER: I**

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark
			Theory Slot				Practical Slot			Total Marks					
								Term Work							
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance		L	T	P		
1	MT1101	Research Methodology & IPR	70	15	10	5	-	-	-	**100**	3	1	-	**04**	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.
2	MTPS1102	Advanced Power System Analysis	70	15	10	5	-	-	-	**100**	3	1	-	**04**	
3	MTPS1103	Advanced Power System Protection	70	15	10	5	-	-	-	**100**	3	1	-	**04**	
4	MTPS1104	High Voltage Engineering	70	15	10	5	-	-	-	**100**	3	1	-	**04**	
5	MTPS1105	EHV AC Transmission System	70	15	10	5	-	-	-	**100**	3	1	-	**04**	
6	MTPS1106	Power System Lab	-	-	-	-	70	15	15	**100**	-	-	4	**02**	
7	MTPS1107	Fundamental of MATLAB	-	-	-	-	70	15	15	**100**	-	-	4	**02**	
8	MT1108	# Audit Course I (Value Education)	35	-	10	5	-	-	-	**50**	2	-	-	**00**	**Grand Total**
Total			**350**	**75**	**50**	**25**	**140**	**30**	**30**	**700**	**17**	**5**	**08**	**24**	**700**

#Mandatory (Non Credit) subject according to AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

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PROGRAMME: Master of Technology
BRANCH : Electrical Engineering **Specialization: Power System** **SEMESTER: II**

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark
			Theory Slot				Practical Slot			Total Marks					
								Term Work							
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance		L	T	P		
1	Refer Table- I	Professional Elective I	70	15	10	5	-	-	-	**100**	3	1	-	**04**	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.
2	MTPS1202	Power Quality	70	15	10	5	-	-	-	**100**	3	1	-	**04**	
3	MTPS1203	Energy Auditing Conservation and Management	70	15	10	5	-	-	-	**100**	3	1	-	**04**	
4	MTPS1204	Advanced Power System Protection Relays	70	15	10	5	-	-	-	**100**	3	1	-	**04**	
5	MTPS1205	Advanced HVDC Transmission Systems	70	15	10	5	-	-	-	**100**	3	1	-	**04**	
6	MTPS1206	Power System Analysis Lab	-	-	-	-	70	15	15	**100**	-	-	4	**02**	
7	MTPS1207	MATLAB / SIMULINK	-	-	-	-	70	15	15	**100**	-	-	4	**02**	
8	MT1208	# Audit Course II(English for Research Paper Writing)	35	-	10	5	-	-	-	**50**	2	-	-	**00**	Grand Total
Total			**350**	**75**	**50**	**25**	**140**	**30**	**30**	**700**	**17**	**5**	**08**	**24**	**700**

Table I: Professional Elective-I

Subject Code	MTPS12101	MTPS12102	MTPS12103
Name of Professional Elective Subject	Flexible AC Transmission Systems	Advanced Power System Stability	Modern Control Theory

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PROGRAMME: Master of Technology
BRANCH : Electrical Engineering **Specialization: Power System** **SEMESTER: III**

S.No	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark
			Theory Slot				Practical Slot								
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Term Work: Lab Performance, Lab Record & Viva	Term Work: Assignment /Quiz/Attendance	Total Marks	L	T	P		
1	Refer Table-II	Open Elective	70	15	10	5	-	-	-	**100**	3	1	-	**04**	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.
2	Refer Table-III	Professional Elective-II	70	15	10	5	-	-	-	**100**	3	1	-	**04**	
3	MTPS1303	Pre-Dissertation	-	-	-	-	200	50	50	**300**	-	-	12	**06**	
															Grand Total
Total			**140**	**30**	**20**	**10**	**200**	**50**	**50**	**500**	**06**	**02**	**12**	**14**	**500**

Table II: Open Elective

Subject Code	MT13101	MT13102	MT13103
Name of Open Elective Subject	Industrial Safety	Waste to Energy	Cost Management of Engineering Project

Table III: Professional Elective-II

Subject Code	MTPS13201	MTPS13202	MTPS13203
Name of Professional Elective Subject	Advanced Electrical Drives	Transient Over Voltages & Power Systems	Voltage Stability of Power System

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PROGRAMME: Master of Technology
BRANCH : Electrical Engineering **Specialization: Power System** **SEMESTER: IV**

S.No.	Subject Code	Subject Name	Maximum Marks Allotted								Teaching Hour Per Week			Total Credits	Remark
			Theory Slot				Practical Slot								
								Term Work							
			End Sem	MST	Quiz, Assignment	Attendance	End Sem	Lab Performance, Lab Record & Viva	Assignment /Quiz/Attendance	Total Marks	L	T	P		
1	MTPS1401	Dissertation	-	-	-	-	300	100	100	**500**	-	-	32	**16**	One hour Lecture (L) refers to 1 credit, One hour Tutorial (T) refers to 1 credit, One hour Practical (P) refers to 0.5 credit.
Total			-	-	-	-	**300**	**100**	**100**	**500**	-	-	**32**	**16**	**500**

MST: Mid Semester Test (at least twice per Semester) L: Lecture T: Tutorial P: Practical