

**COURSE OF STUDY AND SCHEME OF EXAMINATION**  
**MASTER OF TECHNOLOGY**

**Power System**

**I SEMESTER (PART- TIME)**

Course No.	Subject	Scheme of Studies periods Per week			No. of Duration of Theory Paper		Credits			Total Credits
		L	T	P	No.	Hrs.	L	T	P	
MTH- 504	Advance Mathematics	3	1	-	1	3	3	1	-	4.0
PS-501	Power System Analysis	3	1	-	1	3	3	1	-	4.0
PS-502	Advanced Power System Protection	3	1	-	1	3	3	1	-	4.0
Total		9	3	-	-	-	9	3	-	12

**II SEMESTER (PART- TIME)**

PS-551	Modern Trends In Power System Operation	3	1	-	1	3	3	1	-	4.0
PS-552	Advance control system	3	1	-	1	3	3	1	-	4.0
PS-591	Computer application in Power System Lab			3	-	-	-	-	3	3.0
PS-592	Seminar			2					2	2
Total		6	2	5	-	-	6	2.0	5	13

**III SEMESTER (PART- TIME)**

PS-504	Modelling and Analysis of Electrical Machine	3	1	-	1	3	3	1	-	4.0
PS-511	Elective I	3	1	-	1	3	3	1	-	4.0
PS-541	Power System Lab	-	-	3	-	-	-	-	3	3.0
PS-542	Seminar			2					2	2
Total		6	2	5	-	-	6	2.0	5	13

**IV SEMESTER (PART- TIME)**

PS-553	Power system stability and control	3	1	-	1	3	3	1	-	4.0
PS-554	Power System Planning & Management	3	1	-	1	3	3	1	-	4.0
PS-561-570	Elective II	3	1	-	1	3	3	1	-	4.0
Total		9	3	-	-	-	9	3	-	12

**V SEMESTER (PART- TIME)**

PS-601	EHV AC and HVDC	3	1	-	1	3	3	1	-	4.0
PS-602	Evolutionary Techniques	3	1	-	1	3	3	1	-	4.0
PS-611-620	Elective III	3	1	-	1	3	3	1	-	4.0
PS-648	Project Phase I	-	-	-	-	-	-	-	13	13
Total		9	3	-	-	-	9	3	13	25

**VI SEMESTER (PART- TIME)**

PS-698	Project Phase II	-	-	-	-	-	-	-	25	25
Total		-	-	-	-	-	-	-	25	25

**Elective-I :**

I	PS-511	Instrumentation
ii	PS-512	Microcomputer & its applications
iii	PS-513	DSP & its applications
iv	PS-514	Computer Aided Power System Analysis
v	PS-515	Power Controller

**Elective-II :**

i	PS-561	Advanced Power Electronics
ii	PS-562	Power System Transients
iii	PS-563	Reactive Power Control And Facts

**Elective-III :**

i	PS-611	Power Quality
ii	PS-612	Special Machines
iii	PS-613	Advanced Electrical Drives
iv	PS-614	Power system Economics