



SAMRAT ASHOK TECHNOLOGICAL INSTITUTE

(ENGG. COLLEGE)

(An Autonomous Institute Affiliated to RGPV, Bhopal)

Vidisha (M.P.) 464001

SCHEME OF EXAMINATION W.E.F. 2011-12

First Semester – ME in Power Electronics

S. No	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Marks	Tests (Two)	Assignments / Quiz	End Sem. Practical / Viva	Practical Record/ Assign. / Quiz/ Presentation	
1	MEPE-1111	Power Electronics Devices & Phase Controlled Circuit	3	1	-	4	70	20	10	-	-	100
2	MEPE-1112	Industrial and process instrumentation	3	1	-	4	70	20	10	-	-	100
3	MEPE-1113	Forced Commutation Circuit	3	1	-	4	70	20	10	-	-	100
4	MEPE-1114	Electric Drives	3	1	-	4	70	20	10	-	-	100
5	MEPE-1115	Elective (E-I)	3	1	-	4	70	20	10	-	-	100
6	MEPE-1116	Lab. I	-	-	6	6	-	-	-	90	60	150
7	MEPE-1117	Lab. II	-	-	6	6	-	-	-	90	60	150
		Total	15	5	12	32	350	100	50	180	120	800

L : Lecture T : Tutorial P : Practical

Elective- I (i) Power Electronics application to power system
(iii) Power system planning

(ii) Non conventional source of energy & energy converter
(iv) Computer Graphics



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SCHEME OF EXAMINATION W.E.F. 2011-12

Second Semester – ME in Power Electronics

S. No	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Marks	Tests (Two)	Assignments / Quiz	End Sem. Practical / Viva	Practical Record/ Assign. / Quiz/ Presentation	
1	MEPE-1121	Solid State Controllers of Drives	3	1	-	4	70	20	10	-	-	100
2	MEPE-1122	Adv. Microprocessor	3	1	-	4	70	20	10	-	-	100
3	MEPE-1123	Adv. Control System	3	1	-	4	70	20	10	-	-	100
4	MEPE-1124	Elective (E-II)	3	1	-	4	70	20	10	-	-	100
5	MEPE-1125	Elective (E-III)	3	1	-	4	70	20	10	-	-	100
6	MEPE-1126	Lab. III	-	-	6	6	-	-	-	90	60	150
7	MEPE-1127	Lab. IV	-	-	6	6	-	-	-	90	60	150
Total			15	5	12	32	350	100	50	180	120	800

L : Lecture T : Tutorial P : Practical

- Elective –II** (i) Simulator software (ii) Computer aided power system analysis
(ii) Programmable logic controller (iv) Fuzzy logic and neural network
- Elective –III** (i) Computer aided design of electrical machine (ii) Special Electromechanical devices
(iii) Computer Network (iv) Power Electronics supply system & design