

Scheme – I & II Semesters Combined

Scheme – I & II (Common to all branches)

Course Code	Course No.	Subject	Teaching Period			Duration of Uty. Exam (hrs)	Marks			
			Lect.	Tut.	Prac.		Sessional	Theory	Practical	Total
	CME LRPTA									
A	101	Engineering Mathematics I	3	1	-	3	50	100	-	150
B	102	Engineering Physics	1	1	-	3	50	100	-	150
C	103	Engineering Chemistry	1	1	-	3	50	100	-	150
D	104	Engineering Mechanics	2	2	-	3	50	100	-	150
E	105	Engineering Graphics	1	-	3	3	50	100	-	150
F	106	Basic Civil Engineering	1	1	-	3	50	100	-	150
G	107	Basic Mechanical Engineering	1	1	-	3	50	100	-	150
H	108	Basic Electrical Engineering	1	1	-	3	50	100	-	150
I	109	Basic Electronics Engineering	1	1	-	3	50	100	-	150
J	110	Workshop	-	-	6*	-	50x3	-	-	150
		Total	12	9	9	-	600	900	-	1500

*3 periods will be in Mechanical Engineering Workshop and 3 periods in Civil Engineering Workshop & Electrical Engineering Workshop alternately.

3RD SEMESTER

Course Code	Course No.	Subject	Teaching periods			Uty. Exam duration (hours)	Marks			
			L	T	P		Sessional	Theory	Practical	Total
B	LA302	Network Theory	2	1	0	3	50	100	-	150
C	LA303	Electrical Technology	2	1	0	3	50	100	-	150
D	LA304	Solid state devices	3	1	0	3	50	100	-	150
E	LA305	Electronic circuits –I	3	1	0	3	50	100	-	150
F	LA306	Computer programming	3	1	0	3	50	100	-	150
G	LA307	Electrical lab	0	0	4	3	50		100	150
H	L308	Basic Electronics Lab	0	0	4	3	50		100	150
		Total	16	6	8		400	600	200	1200

4TH SEMESTER

Course Code	Course No.	Subject	Teaching periods			Uty. Exam duration (hours)	Marks			
			L	T	P		Sessional	Theory	Practical	Total
A	CMELR TPA 401	Engineering Mathematics III	3	1	0	3	50	100	-	150
B	LA402	Digital Electronics and Logic Design	3	1	0	3	50	100	-	150
C	LA403	Communication Engineering	3	1	0	3	50	100	-	150
D	LA404	Electronic circuits –II	3	1	0	3	50	100	-	150
E	LTA405	Signals and systems	2	1	0	3	50	100	-	150
F	LA406	Reliability & Humanities	2	1	0	3	50	100	-	150
G	LA407	Electronic circuits Lab	0	0	4	3	50		100	150
H	LA408	Computer programming Lab	0	0	4	3	50		100	150
Total			16	6	8		400	600	200	1200

5TH SEMESTER

Course Code	Course No.	Subject	Teaching periods			Uty. Exam duration (hours)	Marks			
			L	T	P		Sessional	Theory	Practical	Total
A	CMEL PA 501	Engineering Mathematics IV	3	1	0	3	50	100	-	150
B	LA502	Power Electronics	2	1	0	3	50	100	-	150
C	L503	Applied Electromagnetic Theory	3	1	0	3	50	100	-	150
D	LA504	Computer organization and Architecture	2	1	0	3	50	100	-	150
E	LA505	Linear integrated circuits	3	1	0	3	50	100	-	150
F	L506	Microprocessors and Microcontrollers	3	1	0	3	50	100	-	150
G	LA507	Digital IC lab	0	0	4	3	50		100	150
H	L508	Communication–I lab	0	0	4	3	50		100	150
Total			16	6	8		400	600	200	1200

6TH SEMESTER

Course Code	Course No:	Subject	Teaching periods			Uty. Exam duration (hours)	Marks			
			L	T	P		Sessional	Theory	Practical	Total
A	LA 601	Industrial Management and Economics	3	2	0	3	50	100	-	150
B	L602	Digital communication Techniques	3	1	0	3	50	100	-	150
C	LTA 603	Digital signal processing	3	1	0	3	50	100	-	150
D	L604	Radiation and Propagation	2	1	0	3	50	100	-	150
E	L605	Electronic Instrumentation	3	1	0	3	50	100	-	150
F	L606	Control Systems	3	1	0	3	50	100	-	150
G	L607	Linear IC Lab	0	0	3	3	50		100	150
H	L608	Mini Project	0	0	3	3	50		100	150
Total			17	7	6		400	600	200	1200

7TH SEMESTER

Course Code	Course No:	Subject	Teaching periods			Uty. Exam duration (hours)	Marks			
			L	T	Pra./ Proj.		Sessional	Theory	Practical	Total
A	LA701	Microcontroller based system design	2	1	0	3	50	100	-	150
B	LA702	VLSI technology	3	1	0	3	50	100	-	150
C	L703	Microwave and Radar Engineering	3	1	0	3	50	100	-	150
D	L704	Optical fiber communication systems	2	1	0	3	50	100	-	150
E	L705	Information Theory and coding	3	1	0	3	50	100	-	150
F	L706	Elective – I	3	1	0	3	50	100	-	150
G	LA707	Microprocessor and Microcontroller Lab	0	0	3	3	50		100	150
H	L708	Communication-II lab	0	0	3	3	50		100	150
I	L709	Project design and seminar	0	0	2					
Total			16	6	8		400	600	200	1200

8TH SEMESTER

Course Code	Course No:	Subject	Teaching periods			Uty. Exam duration (hours)	Marks			
			L	T	Prac./ Proj.		Sessional	Theory	Practical	Total
A	LA801	Computer Networks	3	1	0	3	50	100	-	150
B	L802	Advanced communication systems	3	1	0	3	50	100	-	150
C	LA803	Advanced microprocessors	3	1	0	3	50	100	-	150
D	L804	Television Engineering	3	1	0	3	50	100	-	150
E	L805	Elective –II	3	1	0	3	50	100	-	150
F	L806	Elective – III	3	1	0	3	50	100	-	150
G	L807	Systems Lab	0	0	3	3	50		100	150
H	L808	Project design and seminar	0	0	3	-	100			100
I	L809	Viva -voce	0	0	0	-	-	-	50	50
		Total	18	6	6		450	600	150	1200