

CURRICULAR STRUCTURE FOR PART – I FIRST SEMESTER OF THE
FULL-TIME DIPLOMA COURSE IN ELECTRICAL ENGINEERING

SL. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS	
					INTERNAL		EXTERNAL			
					THEORETICAL PAPERS	LECTURE	SESSIONAL	ASSESSMENT	ATTENDANCE	OBJECTIVE
1.	EE / 1 / T1 / CSS	COMMUNICATION SKILLS (STUDIES)	2 (L) + 1(T)	—	10	2.5	15	35	50	—
2.	EE / 1 / T2 / PHY1	PHYSICS – I	3	—	10	2.5	15	35	50	—
3.	EE / 1 / T3 / CHM1	CHEMISTRY – I	2 (L) + 1(T)	—	10	2.5	15	35	50	—
4.	EE / 1 / T4 / MTH1	MATHEMATICS – I	5	—	20	5	30	70	100	—
5.	EE / 1 / T5 / EMK	ENGINEERING MECHANICS	4	—	20	5	30	70	100	—
SESSIONAL PAPERS			LECTURE	SESSIONAL	INTERNAL		EXTERNAL		TH.	SES.
6.	EE / 1 & 2 / S1 / LPHY	PHYSICS LAB – I	—	3	12.5		—		—	—
7.	EE / 1 & 2 / S2 / LCHM	CHEMISTRY LAB – I	—	3	12.5		—		—	—
8.	EE / 1 & 2 / S3 / SED	ENGINEERING DRAWING (S) – I	—	6	50		—		—	—
9.	EE / 1 & 2 / S4 / SWPR	WORKSHOP PRACTICE – I	—	6	50		—		—	—
TOTAL			16 (L) + 2 (T)	18	—		—		350	—

CURRICULAR STRUCTURE FOR PART – I SECOND SEMESTER OF THE
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SL. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS	
					INTERNAL		EXTERNAL			
					THEORETICAL PAPERS	LECTURE	SESSIONAL	ASSESSMENT	ATTENDANCE	OBJECTIVE
1.	EE / 2 / T1 / BEA	BUSINESS ECONOMICS & ACCOUNTANCY	4	—	20	5	30	70	100	—
2.	EE / 2 / T2 / PHY2	PHYSICS – II	2	—	10	2.5	15	35	50	—
3.	EE / 2 / T3 / CHM2	CHEMISTRY – II	2	—	10	2.5	15	35	50	—
4.	EE / 2 / T4 / MTH2	MATHEMATICS – II	3	—	20	5	30	70	100	—
5.	EE / 2 / T5 / SOM	STRENGTH OF MATERIALS	3	—	20	5	30	70	100	—
6.	EE / 2 / T6 / CA	COMPUTER APPLICATIONS	3	—	10	2.5	15	35	50	—
7.	EE / 2 / T7 / ETK	ELECTRICAL TECHNOLOGY	2	—	10	2.5	15	35	50	—
8.	EE / 2 / T8 / ED	ENGINEERING DRAWING (4 HR. EXAM.)	—	—	20	5	30	70	—	100
SESSIONAL PAPERS			LECTURE	SESSIONAL	INTERNAL		EXTERNAL		TH.	SES.
9.	EE / 1 & 2 / S1 / LPHY	PHYSICS LAB – II	—	2	12.5		25		—	50
10.	EE / 1 & 2 / S2 / LCHM	CHEMISTRY LAB – II	—	2	12.5		25		—	50
11.	EE / 1 & 2 / S3 / SED	ENGINEERING DRAWING (S) – II	—	6	50		100		—	200
12.	EE / 1 & 2 / S4 / SWPR	WORKSHOP PRACTICE – II	—	6	50		100		—	200
13.	EE / 2 / S5 / LCA	COMPUTER APPLICATIONS LAB	—	3	50		50		—	100
14.	EE / 2 / S6 / LETK	ELECTRICAL TECHNOLOGY LAB	—	2	25		25		—	50
TOTAL			19	21	—		—		500	750

q Each of Part I – 1st & 2nd semester is of 17 weeks duration of which 15 weeks are scheduled as contact weeks and 2 weeks are scheduled for holding two Centralised Internal Assessments.

q Part I – 1st & 2nd semester consists of 36 & 40 contact periods per week respectively, and, 8 & 4 periods per week respectively are allocated for Student Centred Activities like Library, Guided Studies etc.

q Marks distribution in Part – I : Theoretical – 850, Sessional – 750; Total – 1600.

CURRICULAR STRUCTURE FOR PART - II FIRST SEMESTER OF THE
FULL-TIME DIPLOMA COURSE IN ELECTRICAL ENGINEERING

SL. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS		PAGE No.
					INTERNAL		EXTERNAL		TH.	SES.	
					ASSESSMENT	ATTENDANCE	OBJECTIVE	SUBJECTIVE			
THEORETICAL PAPERS			LECTURE	SESSIONAL							
1.	EE / 3 / T1 / ENVE	ENVIRONMENTAL ENGINEERING	3	—	20	5	30	70	100	—	7
2.	EE / 3 / T2 / PIC	PROGRAMMING IN C	3	—	20	5	30	70	100	—	9
3.	EE / 3 / T3 / BET	BASIC ELECTRONICS	3	—	20	5	30	70	100	—	10
4.	EE / 3 / T4 / CTTH	CIRCUIT THEORY	4	—	20	5	30	70	100	—	12
5.	EE / 3 / T5 / EM1	ELECTRICAL MACHINES – I	4	—	20	5	30	70	100	—	15
6.	EE / 3 / T6 / MMI	ELECTRICAL MEASUREMENT & MEASURING INSTRUMENTS	4	—	20	5	30	70	100	—	17
SESSIONAL PAPERS			LECTURE	SESSIONAL	INTERNAL		EXTERNAL		TH.	SES.	—
7.	EE / 3 / S1 / LC	PROGRAMMING IN C LAB	—	3	50		50		—	100	18
8.	EE / 3 / S2 / LBET	BASIC ELECTRONICS LAB	—	3	50		50		—	100	20
9.	EE / 3 & 4 / S3 / LEM	ELECTRICAL MACHINE LAB (GROUP – A)	—	4	50		—		—	—	35
10.	EE / 3 / S4 / EWS1	ELECTRICAL WORKSHOP – I	—	4	50		50		—	100	20
11.	EE / 3 / S5 / LMMI	ELECTRICAL MEASUREMENT & MEASURING INSTRUMENTS LAB	—	4	50		50		—	100	21
TOTAL			21	18	—		—		600	400	—

CURRICULAR STRUCTURE FOR PART - II SECOND SEMESTER OF THE
FULL-TIME DIPLOMA COURSE IN ELECTRICAL ENGINEERING

SL. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS		PAGE No.
					INTERNAL		EXTERNAL		TH.	SES.	
					ASSESSMENT	ATTENDANCE	OBJECTIVE	SUBJECTIVE			
THEORETICAL PAPERS			LECTURE	SESSIONAL							
1.	EE / 4 / T1 / CSJ	COMMUNICATION SKILLS (JOB)	2	—	20	5	30	70	50	—	22
2.	EE / 4 / T2 / EEM	ELECTRICAL ENGINEERING MATERIALS	4	—	20	5	30	70	100	—	23
3.	EE / 4 / T3 / EM2	ELECTRICAL MACHINES – II	4	—	20	5	30	70	100	—	25
4.	EE / 4 / T4 / EMC	ELECTRICAL MEASUREMENT & CONTROL	4	—	20	5	30	70	100	—	28
5.	EE / 4 / T5 / PAD	PRINCIPLES & APPLICATIONS OF DIGITAL ELECTRONICS	3	—	20	5			100	—	30
SESSIONAL PAPERS			LECTURE	SESSIONAL	INTERNAL		EXTERNAL		TH.	SES.	—
6.	EE / 4 / S1 / LCSJ	COMMUNICATION SKILLS (JOB) LAB	—	2	25		25		—	50	32
7.	EE / 4 / S2 / MEED	MECHANICAL & ELECTRICAL ENGINEERING DRAWING	—	5	50		50		—	100	33
8.	EE / 3 & 4 / S3 / LEM	ELECTRICAL MACHINE LAB (GROUP – B)	—	5	50		100		—	200	35
9.	EE / 4 / S4 / LEMC	ELECTRICAL MEASUREMENT & CONTROL LAB	—	5	50		50		—	100	34
10.	EE / 4 / S5 / LPAD	DIGITAL ELECTRONICS LAB	—	5	50		50		—	100	34
TOTAL			17	22	—		—		450	550	—

q Each of Part II – 1st & 2nd semester is of 17 weeks duration of which 15 weeks are scheduled as contact weeks and 2 weeks are scheduled for holding two Centralised Internal Assessments.

q Each of Part II – 1st & 2nd semester consists of 39 contact periods per week and 5 periods per week are allocated for Student Centred Activities like Library, Guided Studies etc.

q Marks distribution in Part – II : Theoretical – 1050, Sessional – 950; Total – 2000.

CURRICULAR STRUCTURE FOR PART – III FIRST SEMESTER OF THE
FULL-TIME DIPLOMA COURSE IN ELECTRICAL ENGINEERING

SL. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS		PAGE No.
					INTERNAL		EXTERNAL				
					THEORETICAL PAPERS		LECTURE	SESSIONAL	ASSESSMENT	ATTENDANCE	
1.	EE / 5 / T1 / IMNT	INDUSTRIAL MANAGEMENT	3	—	20	5	30	70	100	—	39
2.	EE / 5 / T2 / PPE	POWER PLANT ENGINEERING	3	—	20	5	30	70	100	—	40
3.	EE / 5 / T3 / TDP	TRANSMISSION & DISTRIBUTION POWER	3	—	20	5	30	70	100	—	42
4.	EE / 5 / T4 / IET	INDUSTRIAL ELECTRONICS	3	—	20	5	30	70	100	—	45
5.	EE / 5 / T5 / TOF3	ELECTRICAL DESIGN & ESTIMATING	3	—	20	5	30	70	100	—	47
6.	EE / 5 / *T6 / CN1	COMPUTER NETWORK – I	—	—	—	—	—	—	—	—	57
7.	EE / 5 / *T7 / NCE1	NON CONVENTIONAL ENERGY – I	—	—	—	—	—	—	—	—	58
8.	EE / 5 / *T8 / PCI1	PROCESS CONTROL & INSTRUMENTATION – I	3	—	20	5	30	70	100	—	60
9.	EE / 5 / *T9 / UTH1	UTILIZATION & TRACTION, INDUSTRIAL HEATING & DRIVES – I	—	—	—	—	—	—	—	—	62
SESSIONAL PAPERS			LECTURE	SESSIONAL	INTERNAL		EXTERNAL		TH.	SES.	—
10.	EE / 5 / S1 / EWS2	ELECTRICAL WORKSHOP – II	—	6	50		50		—	100	48
11.	EE / 5 & 6 / S2 / LPPE	POWER SYSTEM LABORATORY	—	4	50		50		—	100	49
12.	EE / 5 / S3 / LIET	INDUSTRIAL ELECTRONICS LABORATORY	—	5	50		50		—	100	50
13.	EE / 5 & 6 / S4 / EEPW	ELECTRICAL ENGINEERING PROJECT WORK (GROUP – A)	—	6	50		—		—	—	65
TOTAL			18	21	—		—		600	300	—

CURRICULAR STRUCTURE FOR PART – III SECOND SEMESTER OF THE
FULL-TIME DIPLOMA COURSE IN ELECTRICAL ENGINEERING

SL. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS		PAGE No.
					INTERNAL		EXTERNAL				
					THEORETICAL PAPERS		LECTURE	SESSIONAL	ASSESSMENT	ATTENDANCE	
1.	EE / 6 / T1 / EIMT	ELECTRICAL INSTALLATION, MAINTENANCE & TESTING	4	—	20	5	30	70	100	—	51
2.	EE / 6 / T2 / SGP	SWITCHGEAR & PROTECTION	4	—	20	5	30	70	100	—	52
3.	EE / 6 / T3 / MPA	MICROPROCESSORS & ITS APPLICATIONS	4	—	20	5	30	70	100	—	54
4.	EE / 6 / *T4 / CN2	COMPUTER NETWORK – II	—	—	—	—	—	—	—	—	57
5.	EE / 6 / *T5 / NCE2	NON CONVENTIONAL ENERGY – II	—	—	—	—	—	—	—	—	59
6.	EE / 6 / *T6 / PCI2	PROCESS CONTROL & INSTRUMENTATION – II	2	—	10	2.5	15	35	50	—	61
7.	EE / 6 / *T7 / UTH2	UTILIZATION & TRACTION, INDUSTRIAL HEATING & DRIVES – II	—	—	—	—	—	—	—	—	64
SESSIONAL PAPERS			LECTURE	SESSIONAL	INTERNAL		EXTERNAL		TH.	SES.	—
8.	EE / 5 & 6 / S1 / LMBT	ELECTRICAL ENGINEERING DRAWING	—	5	50		50		—	100	55
9.	EE / 5 & 6 / S2 / FPQC	SWITCHGEAR & PROTECTION LAB	—	5	50		50		—	100	55
10.	EE / 6 / S3 / LPIC	MICROPROCESSORS & ITS APPLICATIONS LAB	—	5	50		50		—	100	55
11.	EE / 5 & 6 / S4 / EEPW	ELECTRICAL ENGINEERING PROJECT WORK (GROUP – B)	—	5	50		100		—	200	65
12.	EE / 6 / S5 / SMNR	SEMINAR ON ELECTRICAL ENGINEERING PROJECT WORK	—	1	25		25		—	50	65
13.	EE / 6 / *S6 / LCN	COMPUTER NETWORK LAB	—	—	—	—	—	—	—	—	58
14.	EE / 6 / *S7 / LNCE	NON CONVENTIONAL ENERGY LAB	—	—	—	—	—	—	—	—	60
15.	EE / 6 / *S8 / LPCI	PROCESS CONTROL & INSTRUMENTATION LAB	—	4	25		25		—	100	62
16.	EE / 6 / *S9 / LUTH	UTILIZATION & TRACTION, INDUSTRIAL HEATING & DRIVES LAB	—	—	—	—	—	—	—	—	64
17.	EE / 6 / S10 / GVV	GENERAL VIVA VOCE	—	—	50		50		—	100	67
TOTAL			14	25	—		—		350	750	—

* Each student is required to opt for any one of the following four elective papers offered: (a) COMPUTER NETWORK (CN1, CN2 & LCN); (b) NON CONVENTIONAL ENERGY (NCE1, NCE2 & LNCE); (c) PROCESS CONTROL & INSTRUMENTATION (PCI1, PCI2 & LPCI), and, (d) UTILIZATION & TRACTION, INDUSTRIAL HEATING & DRIVES (UTH1, UTH & LUTH).

Each of Part III – 1st & 2nd semester is of 17 weeks duration of which 15 weeks are scheduled as contact weeks and 2 weeks are scheduled for holding two Centralised Internal Assessments.

Each of Part III – 1st & 2nd semester consists of 39 contact periods per week and 5 periods per week are allocated for Student Centred Activities like Library, Guided Studies etc.

Marks distribution in Part – III : Theoretical – 1000, Sessional – 1000; Total – 2000.