

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

Sl. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS	
					INTERNAL		EXTERNAL			
					THEORETICAL PAPERS	LECTURE	SESSIONAL	ASSESSMENT	ATTENDANCE	OBJECTIVE
1.	IT / 1 / T1 / CSS	COMMUNICATION SKILLS (STUDIES)	2 (L) + 1 (T)	—	10	2.5	—	50	50	—
2.	IT / 1 / T2 / PHY1	PHYSICS – I	3	—	10	2.5	—	50	50	—
3.	IT / 1 / T3 / CHM1	CHEMISTRY – I	2 (L) + 1 (T)	—	10	2.5	—	50	50	—
4.	IT / 1 / T4 / MTH1	MATHEMATICS – I	5	—	20	5	30	70	100	—
5.	IT / 1 / T5 / EMK	ENGINEERING MECHANICS	4	—	20	5	30	70	100	—
		SESSIONAL PAPERS	LECTURE	SESSIONAL	INTERNAL		EXTERNAL		Th.	Ses.
6.	IT / 1 & 2 / S1 / LPHY	PHYSICS LAB – I	—	3	12.5		—		—	—
7.	IT / 1 & 2 / S2 / LCHM	CHEMISTRY LAB – I	—	3	12.5		—		—	—
8.	IT / 1 & 2 / S3 / SED	ENGINEERING DRAWING (S) – I	—	6	50		—		—	—
9.	IT / 1 & 2 / S4 / SWP	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.	IT / 2 / T1 / BEA	BUSINESS ECONOMICS & ACCOUNTANCY	4	—	20	5	30	70	100	—
2.	IT / 2 / T2 / PHY2	PHYSICS – II	2	—	10	2.5	—	50	50	—
3.	IT / 2 / T3 / CHM2	CHEMISTRY – II	2	—	10	2.5	—	50	50	—
4.	IT / 2 / T4 / MTH2	MATHEMATICS – II	3	—	20	5	30	70	100	—
5.	IT / 2 / T5 / CA	COMPUTER APPLICATIONS	3	—	10	2.5	—	50	50	—
6.	IT / 2 / T6 / SOM	STRENGTH OF MATERIALS	3	—	20	5	30	70	100	—
7.	IT / 2 / T7 / ETK	ELECTRICAL TECHNOLOGY	2	—	10	2.5	—	50	50	—
8.	IT / 2 / T8 / ED	ENGINEERING DRAWING (4 HR. EXAM.)	—	—	20	5	30	70	100	—
		SESSIONAL PAPERS	LECTURE	SESSIONAL	INTERNAL		EXTERNAL		Th.	Ses.
9.	IT / 1 & 2 / S1 / LPHY	PHYSICS LAB – II	—	2	12.5		25		—	50
10.	IT / 1 & 2 / S2 / LCHM	CHEMISTRY LAB – II	—	2	12.5		25		—	50
11.	IT / 1 & 2 / S3 / SED	ENGINEERING DRAWING (S) – II	—	6	50		100		—	200
12.	IT / 1 & 2 / S4 / SWP	WORKSHOP PRACTICE – II	—	6	50		100		—	200
13.	IT / 2 / S5 / LCA	COMPUTER APPLICATIONS LAB	—	3	50		50		—	100
14.	IT / 2 / S6 / LETK	ELECTRICAL TECHNOLOGY LAB	—	2	25		25		—	50
TOTAL			19	21	—		—		600	650

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 – 950, Sessional – 650; Total – 1600.

CURRICULAR STRUCTURE FOR PART – II FIRST SEMESTER OF THE
FULL-TIME DIPLOMA COURSE IN INFORMATION TECHNOLOGY

Sl. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS		PAGE No.
					INTERNAL		EXTERNAL		TH.	SES.	
					THEORETICAL PAPERS	LECTURE	SESSIONAL	ASSESSMENT			
1.	IT / 3 / T1 / ENVE	ENVIRONMENTAL ENGINEERING	3	—	20	5	30	70	100	—	7
2.	IT / 3 / T2 / DMTH	DISCRETE MATHEMATICS	4	—	20	5	30	70	100	—	9
3.	IT / 3 / T3 / C	PROGRAMMING IN C	3	—	20	5	30	70	100	—	10
4.	IT / 3 / T4 / BET	BASIC ELECTRONICS	3	—	20	5	30	70	100	—	12
5.	IT / 3 / T5 / DLD	DIGITAL LOGIC DESIGN	4	—	20	5	30	70	100	—	14
6.	IT / 3 / T6 / CSA	COMPUTER SYSTEM ARCHITECTURE	4	—	20	5	30	70	100	—	15
SESSIONAL PAPERS			LECTURE	SESSIONAL	INTERNAL		EXTERNAL		TH.	SES.	—
7.	IT / 3 / S1 / PCUL	PC UTILITY LAB	—	4	50		50		—	100	17
8.	IT / 3 / S2 / LC	PROGRAMMING IN C LAB	—	3	50		50		—	100	17
9.	IT / 3 / S3 / LBET	BASIC ELECTRONICS LAB	—	3	50		50		—	100	19
10.	IT / 3 / S4 / LDLD	DIGITAL LOGIC DESIGN LAB	—	4	50		50		—	100	20
11.	IT / 3 / S5 / BALC	BUSINESS APPLICATION LAB	—	4	50		50		—	100	21
TOTAL			21	18	—		—		600	500	—

CURRICULAR STRUCTURE FOR PART – II SECOND SEMESTER OF THE
FULL-TIME DIPLOMA COURSE IN INFORMATION TECHNOLOGY

Sl. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS		PAGE No.
					INTERNAL		EXTERNAL		TH.	SES.	
					THEORETICAL PAPERS	LECTURE	SESSIONAL	ASSESSMENT			
1.	IT / 4 / T1 / CSJ	COMMUNICATION SKILLS (JOB)	2	—	10	2.5	—	50	50	—	23
2.	IT / 4 / T2 / DSC	DATA STRUCTURE	4	—	20	5	30	70	100	—	24
3.	IT / 4 / T3 / MPI	MICROPROCESSOR & ITS INTERFACING	4	—	20	5	30	70	100	—	25
4.	IT / 4 / T4 / OOP	OBJECT ORIENTED PROGRAMMING METHODOLOGY	4	—	20	5	30	70	100	—	26
5.	IT / 4 / T5 / EDC	ELECTRONICS DEVICE & CIRCUIT	3	—	20	5	30	70	100	—	27
SESSIONAL PAPERS			LECTURE	SESSIONAL	INTERNAL		EXTERNAL		TH.	SES.	—
6.	IT / 4 / S1 / LCSJ	COMMUNICATION SKILLS (JOB) LAB	—	2	25		25		—	50	29
7.	IT / 4 / S2 / LDSC	DATA STRUCTURE LAB IN C	—	5	50		50		—	100	30
8.	IT / 4 / S3 / LMPI	MICROPROCESSOR LAB	—	5	50		50		—	100	31
9.	IT / 4 / S4 / LOOP	OBJECT ORIENTED PROGRAMMING LAB	—	5	50		50		—	100	31
10.	IT / 4 / S5 / LEDC	ELECTRONICS DEVICE & CIRCUIT LAB	—	5	50		50		—	100	33
TOTAL			17	22	—		—		450	450	—

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 INFORMATION TECHNOLOGY

SL. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS		PAGE No.
					INTERNAL		EXTERNAL		TH.	SES.	
					THEORETICAL PAPERS	LECTURE	SESSIONAL	ASSESSMENT			
1.	IT / 5 / T1 / IMNT	INDUSTRIAL MANAGEMENT	3	—	20	5	30	70	100	—	37
2.	IT / 5 / T2 / OS	OPERATING SYSTEMS	4	—	20	5	30	70	100	—	38
3.	IT / 5 / T3 / DM	DATABASE MANAGEMENT SYSTEM	4	—	20	5	30	70	100	—	40
4.	IT / 5 / T4 / POC	PRINCIPLE OF COMMUNICATION	4	—	20	5	30	70	100	—	41
5.	IT / 5 / T5 / AMTY	AUTOMATA THEORY	3	—	20	5	30	70	100	—	42
SESSIONAL PAPERS			LECTURE	SESSIONAL	INTERNAL		EXTERNAL		TH.	SES.	—
6.	IT / 5 / S1 / ASWL	ADVANCED SOFTWARE LAB	—	5	50		50		—	100	44
7.	IT / 5 / S2 / LOS	OPERATING SYSTEMS LAB	—	4	50		50		—	100	46
8.	IT / 5 & 6 / S3 / ITPW	IT PROJECT WORK (GROUP – A)	—	4	50		—		—	—	64
9.	IT / 5 / S4 / LDM	DATABASE MANAGEMENT SYSTEM LAB	—	4	50		50		—	100	47
10.	IT / 5 / S5 / LPOC	PRINCIPLE OF COMMUNICATION LAB	—	4	50		50		—	100	48
TOTAL			18	21	—		—		600	300	—

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

SL. No.	SUBJECT CODE	SUBJECT OF STUDY	CONTACT PERIODS / WEEK		EXAMINATION SCHEME				FULL MARKS		PAGE No.
					INTERNAL		EXTERNAL		TH.	SES.	
					THEORETICAL PAPERS	LECTURE	SESSIONAL	ASSESSMENT			
1.	IT / 6 / T1 / CONW	COMPUTER NETWORKS	4	—	20	5	30	70	100	—	49
2.	IT / 6 / T2 / SYPR	SYSTEM PROGRAMMING	4	—	20	5	30	70	100	—	51
3.	IT / 6 / T3 / SWEN	SOFTWARE ENGINEERING	4	—	20	5	30	70	100	—	52
4.	IT / 6 / T4 / ADCM	ADVANCED COMMUNICATION	4	—	20	5	30	70	100	—	54
5.	IT / 6 / *T5 / CGR	COMPUTER GRAPHICS	—	—	—	—	—	—	—	—	58
6.	IT / 6 / *T6 / MMT	MULTIMEDIA TECHNOLOGY	3	—	20	5	30	70	100	—	60
7.	IT / 6 / *T7 / OR	OPERATION RESEARCH	—	—	—	—	—	—	—	—	63
SESSIONAL PAPERS			LECTURE	SESSIONAL	INTERNAL		EXTERNAL		TH.	SES.	—
8.	IT / 6 / S1 / PMNL	PC MAINTENANCE & NETWORKING LAB	—	5	50		50		—	100	55
9.	IT / 6 / S2 / WTL	WEB TECHNOLOGY LAB	—	5	50		50		—	100	56
10.	IT / 5 & 6 / S3 / ITPW	IT PROJECT WORK (GROUP – B)	—	5	50		100		—	200	64
11.	IT / 6 / S4 / SMNR	SEMINAR ON IT PROJECT WORK	—	1	25		25		—	50	64
12.	IT / 6 / *S5 / LCGR	COMPUTER GRAPHICS LAB	—	—	—	—	—	—	—	—	59
13.	IT / 6 / *S6 / LMMT	MULTIMEDIA LAB	—	4	25		25		—	50	61
14.	IT / 6 / *S7 / LOR	OPERATION RESEARCH LAB	—	—	—	—	—	—	—	—	64
15.	IT / 6 / S8 / GVV	GENERAL VIVA VOCE	—	—	50		50		—	100	66
TOTAL			15	24	—		—		400	700	—

* Each student is required to opt for **any one of the following three elective papers** offered:

(a) **COMPUTER GRAPHICS** (CGR, LCGR); (b) **MULTIMEDIA TECHNOLOGY** (MMT, LMMT). and, (b) **OPERATIONS RESEARCH** (OR, LOR).

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.