

CURRICULAR STRUCTURE FOR PART - I FIRST SEMESTER OF THE
FULL-TIME DIPLOMA COURSES IN PRODUCTION 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	TUTORIAL	SESSIONAL							
1.	* / 1 / T1 / CSS	COMMUNICATION SKILLS (STUDIES)	2	1	—	10	2.5	—	50	50	—	9
2.	* / 1 / T2 / PHY1	PHYSICS – I	3	—	—	10	2.5	15	35	50	—	10
3.	* / 1 / T3 / CHM1	CHEMISTRY – I	2	1	—	10	2.5	15	35	50	—	12
4.	* / 1 / T4 / MTHS	MATHEMATICS	5	—	—	20	5	30	70	100	—	13
5.	* / 1 / T5 / EMK	ENGINEERING MECHANICS	3	1	—	20	5	30	70	100	—	15
		SESSIONAL PAPERS	LECTURE	TUTORIAL	SESSIONAL	INTERNAL		EXTERNAL		TH.	SES.	—
6.	* / 1 & 2 / S1 / LPHY	PHYSICS LAB (GROUP – A)	—	—	3	12.5		—		—	—	51
7.	* / 1 & 2 / S2 / LCHM	CHEMISTRY LAB (GROUP – A)	—	—	3	12.5		—		—	—	52
8.	* / 1 & 2 / S3 / SED	ENGINEERING DRAWING (S) (GROUP – A)	—	—	6	50		—		—	—	53
9.	* / 1 & 2 / S4 / WSPR	WORKSHOP PRACTICE	—	—	6	50		—		—	—	57
* Code for discipline			TOTAL			—		—		350	—	—

CURRICULAR STRUCTURE FOR PART - I SECOND SEMESTER OF THE
FULL-TIME DIPLOMA COURSES IN PRODUCTION 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	TUTORIAL	SESSIONAL							
1.	* / 2 / T1 / BEA	BUSINESS ECONOMICS & ACCOUNTANCY	4	—	—	20	5	30	70	100	—	27
2.	* / 2 / T2 / PHY2	PHYSICS – II	2	—	—	10	2.5	15	35	50	—	29
3.	* / 2 / T3 / CHM2	CHEMISTRY – II	2	—	—	10	2.5	15	35	50	—	30
4.	* / 2 / T4 / CA	COMPUTER APPLICATIONS	3	—	—	10	2.5	15	35	50	—	32
5.	* / 2 / T5 / EMTH	ENGINEERING MATHEMATICS	3	—	—	20	5	30	70	100	—	33
6.	* / 2 / T6 / SOM	STRENGTH OF MATERIALS	3	—	—	20	5	30	70	100	—	35
7.	* / 2 / T7 / ETK	ELECTRICAL TECHNOLOGY	2	—	—	10	2.5	15	35	50	—	36
8.	* / 2 / T8 / ED	ENGINEERING DRAWING (4 HR. EXAM.)	—	—	—	20	5	30	70	100	—	53
		SESSIONAL PAPERS	LECTURE	TUTORIAL	SESSIONAL	INTERNAL		EXTERNAL		TH.	SES.	—
9.	* / 1 & 2 / S1 / LPHY	PHYSICS LAB (GROUP – B)	—	—	2	12.5		25		—	50	51
10.	* / 1 & 2 / S2 / LCHM	CHEMISTRY LAB (GROUP – B)	—	—	2	12.5		25		—	50	52
11.	* / 1 & 2 / S3 / SED	ENGINEERING DRAWING (S) (GROUP – B)	—	—	6	50		100		—	200	53
12.	* / 1 & 2 / S4 / WSPR	WORKSHOP PRACTICE	—	—	6	50		100		—	200	57
13.	* / 2 / S5 / LCA	COMPUTER APPLICATIONS LAB	—	—	3	50		50		—	100	65
14.	* / 2 / S6 / LETK	ELECTRICAL TECHNOLOGY LAB	—	—	2	25		25		—	50	67
* Code for discipline			TOTAL			—		—		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
DIPLOMA IN PRODUCTION ENGINEERING

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.	PROD/3/T1/ENVE	ENVIRONMENTAL ENGINEERING	3	—	20	5	30	70	100	—	5
2.	PROD/3/T2/PIC	PROGRAMMING IN C	3	—	20	5	30	70	100	—	7
3.	PROD/3/T3/BE	BASIC ELECTRONICS	3	—	20	5	30	70	100	—	9
4.	PROD/3/T4/SMED	STRENGTH OF MATERIALS & ENGINEERING DESIGN	4	—	20	5	30	70	100	—	11
5.	PROD/3/T5/MTMT	MACHINING TECHNOLOGY & MACHINE TOOLS	4	—	20	5	30	70	100	—	12
6.	PROD/3/T6/AMM	ANALYSIS OF MECHANISM & MACHINES	4	—	20	5	30	70	100	—	15
SESSIONAL PAPERS			Lecture	SESSIONAL	INTERNAL		EXTERNAL		TH.	SES.	—
7.	PROD/3/S1/LPIC	PROGRAMMING IN C LAB	—	3	50		50		—	100	
8.	PROD/3/S2/LBE	BASIC ELECTRONICS LAB	—	3	50		50		—	100	
9.	PROD/3/S3/EDG	ENGINEERING DESIGN & GRAPHICS	—	4	50		50		—	100	
10.	PROD/3/S4/PS1	PRODUCTION SYSTEM – I	—	4	50		50		—	100	
11.	PROD/3/S5/MTL	METAL TESTING LAB	—	2	25		25		—	50	
12.	PROD/3/S6/LAMM	MECHANISM LAB	—	2	25		25		—	50	
TOTAL			21	18	—		—		600	500	—

?á Each contact week of this Part II – 1st Semester consists of 39 contact periods and other 5 periods are allocated for Library & Guided Studies.

CURRICULAR STRUCTURE FOR PART – II SECOND SEMESTER OF
DIPLOMA IN PRODUCTION ENGINEERING

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.	PROD/4/T1/CSJ	COMMUNICATION SKILLS (JOB)	2	—	10	2.5	—	50	50	—	
2.	PROD/4/T2/FMHP	FLUID MECHANICS & HYDRAULIC POWER	3(L) + 1(T)	—	20	5	30	70	100	—	
3.	PROD/4/T3/THP	THERMODYNAMICS & HEAT POWER	3(L) + 1(T)	—	20	5	30	70	100	—	
4.	PROD/4/T4/EMPP	ENGINEERING MATERIALS & PRIMARY PRODUCTION PROCESSES	3(L) + 1(T)	—	20	5	30	70	100	—	
5.	PROD/4/T5/IACM	INSTRUMENTATION, AUTOMATIC CONTROL & MICROPROCESSOR APPLICATION	3	—	20	5	30	70	100	—	
SESSIONAL PAPERS			Lecture	SESSIONAL	INTERNAL		EXTERNAL		TH.	SES.	—
6.	PROD/4/S1/LCSJ	COMMUNICATION SKILLS (JOB) LAB	—	2	25		25		—	50	
7.	PROD/4/S2/LPS2	PRODUCTION SYSTEM – II	—	4	50		50		—	100	
8.	PROD/4/S3/LFH	FLUID AND HYDRAULICS LAB	—	3	25		25		—	50	
9.	PROD/4/S4/LT	THERMODYNAMICS LAB.	—	3	25		25		—	50	
10.	PROD/4/S5/LCAD	COMPUTER AIDED DRAFTING	—	3	25		25		—	50	
11.	PROD/4/S6/LMT	MACHINE TOOLS LAB	—	3	25		25		—	50	
12.	PROD/4/S7/LIAC	INSTRUMENTATION, AUTOMATIC CONTROL & MICROPROCESSOR APPLICATION LAB	—	4	50		50		—	100	
TOTAL			14(L) + 3 (T)	22	—		—		450	450	—

?á Each contact week of this Part II – 2nd Semester consists of 39 contact periods and other 5 periods are allocated for Library & Guided Studies.

?á In each of Part II – 1st & 2nd Semesters, 15 weeks are scheduled as contact weeks during which theoretical & sessional classes will take place and the two centralised internal assessments will take place in another 2 weeks. The industrial training will take place beyond this time period.

?á Marks distribution of Part – II: Theoretical – 1050, Sessional – 950; Total – 2000.

CURRICULAR STRUCTURE FOR THE PART - III FIRST SEMESTER OF
DIPLOMA IN PRODUCTION ENGINEERING

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.	PE / 5 / T1 / IMNG	INDUSTRIAL MANAGEMENT	3	-	20	5	30	70	100	-	
2.	PE / 5 / T2 / PRM	PRODUCTION MANAGEMENT	4	-	20	5	30	70	100	-	
3.	PE / 5 / T3 / PIQC	PRODUCT INSPECTION AND QUALITY CONTROL	4	-	20	5	30	70	100	-	
4.	PE / 5 / T4 / TMP	TECHNOLOGY OF MASS PRODUCTION	4	-	20	5	30	70	100	-	
5.	PE / 5 / T5 / TE	TOOL ENGINEERING	4	-	20	5	30	70	100	-	
6.	PE / 5 / T6 / ELC1	MATERIAL HANDLING-I (ELECTIVE-I)	4	-	20	5	30	70	100	-	
		SESSIONAL PAPERS	Lecture	SESSIONAL	INTERNAL		EXTERNAL		Th.	SES.	
7.	PE / 5 / S1 / LPS3	PRODUCTION SYSTEM-III	-	4	50		50		-	100	
8.	PE / 5 / S2 / LMQC	METROLOGY WITH QUALITY CONTROL LAB	-	4	50		50		-	100	
9.	PE / 5 / S3 / LPP	PRODUCTION PROCESS LAB	-	4	50		50		-	100	
10.	PE / 5 / S4 / PROJ	PROJECT WORK (PART-A)	-	4	50		-		-	-	
			23	16					600	300	

CURRICULAR STRUCTURE FOR THE PART - III SECOND SEMESTER OF
DIPLOMA IN PRODUCTION ENGINEERING

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.	PE / 6 / T1 / ACNC	AUTOMATION AND CNC MACHINES	4	-	20	5	30	70	100	-	
2.	PE / 6 / T2 / NTP	NON TRADITIONAL PROCESS	4	-	20	5	30	70	100	-	
3.	PE / 6 / T3 / WT	WELDING TECHNOLOGY	4	-	20	5	30	70	100	-	
4.	PE / 6 / T4 / ELC2	MATERIAL HANDLING-II (ELECTIVE-II)	3	-	20	5	30	70	100	-	
		SESSIONAL PAPERS	Lecture	SESSIONAL	INTERNAL		EXTERNAL		Th.	SES.	
5.	PE / 6 / S1 / LAM	ADVANCED MANUFACTURING LAB	-	5	50		50		-	100	
6.	PE / 6 / S2 / LNTP	NON TRADITIONAL PROCESS LAB	-	4	50		50		-	100	
7.	PE / 6 / S3 / LWT	WELDING TECHNOLOGY LAB	-	5	50		50		-	100	
8.	PE / 6 / S4 / LELC	SESSIONAL ON ELECTIVE-II	-	3	25		25		-	50	
9.	PE / 6 / S5 / PROJ	PROJECT WORK (PART-B)	-	6	50		100		-	200	
10.	PE / 6 / S6 / SEM	SEMINAR	-	1	25		25		-	50	
11.	PE / 6 / S7 / VIVA	VIVA VOCE	-	-	50		50		-	100	
		TOTAL	15	24					400	700	

?á Part – III Second Semester consists of 39 contact periods per week and 5 periods per week for Library & Guided Studies.

?á Marks distribution: Theoretical – 1000, Sessional – 1000; Total – 2000 (FIRST SEMESTER : Theoretical – 600, Sessional – 300 & SECOND SEMESTER : Theoretical – 400, Sessional – 700).