

**CURRICULAR STRUCTURE FOR PART – I FIRST SEMESTER OF THE
FULL-TIME DIPLOMA COURSES IN ENGINEERING & TECHNOLOGY**

(For the disciplines of ME, MEP, CE, AE, MIN, MS, SE, PT, LGT, FWT and AGR)

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	—	38	50	—		
2.	* / 1 / T2 / PHY1	PHYSICS – I	3	—	—	10	2	13	25	50	—		
3.	* / 1 / T3 / CHM1	CHEMISTRY – I	2	1	—	10	2	13	25	50	—		
4.	* / 1 / T4 / MTHS	MATHEMATICS	5	—	—	20	5	25	50	100	—		
5.	* / 1 / T5 / EMK	ENGINEERING MECHANICS	3	1	—	20	5	25	50	100	—		
6.	* / 1 / T6 / ED	ENGINEERING DRAWING (GROUP-A)	—	—	—	—	—	—	—	—	—		
		SESSIONAL PAPERS	LECTURE	TUTORIAL	SESSIONAL	INTERNAL		EXTERNAL		TH.	SES.	—	
7.	* / 1 & 2 / S1 / LPHY	PHYSICS LAB (GROUP – A)	—	—	3	12.5		—		—	—		
8.	* / 1 & 2 / S2 / LCHM	CHEMISTRY LAB (GROUP – A)	—	—	3	12.5		—		—	—		
9.	* / 1 & 2 / S3 / SED	ENGINEERING DRAWING (S)	—	—	6	50		—		—	—		
10.	* / 1 & 2 / S4 / WSPR	WORKSHOP PRACTICE	—	—	6	50		—		—	—		
* Code for discipline			T O T A L			15	3	18	—	—	350	—	—

**CURRICULAR STRUCTURE FOR PART – I SECOND SEMESTER OF THE
FULL-TIME DIPLOMA COURSES IN ENGINEERING & TECHNOLOGY**

(For the disciplines of ME, MEP, CE, AE, MIN, MS, SE, PT, LGT, FWT and AGR)

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	25	50	100	—		
2.	* / 2 / T2 / PHY2	PHYSICS – II	2	—	—	10	2	13	25	50	—		
3.	* / 2 / T3 / CHM2	CHEMISTRY – II	2	—	—	10	2	13	25	50	—		
4.	* / 2 / T4 / CAP	COMPUTER APPLICATIONS & PROGRAMMING	3	—	—	10	2	13	25	50	—		
5.	* / 2 / T5 / EMTH	ENGINEERING MATHEMATICS	3	—	—	20	5	25	50	100	—		
6.	* / 2 / T6 / SOM	STRENGTH OF MATERIALS	3	—	—	20	5	25	50	100	—		
7.	* / 2 / T7 / ETK	ELECTRICAL TECHNOLOGY	2	—	—	10	2	13	25	50	—		
8.	* / 2 / T8 / ED	ENGINEERING DRAWING (4 HR. EXAM.)	—	—	—	20	5	25	50	100	—		
		SESSIONAL PAPERS	LECTURE	TUTORIAL	SESSIONAL	INTERNAL		EXTERNAL		TH.	SES.	—	
9.	* / 1 & 2 / S1 / LPHY	PHYSICS LAB (GROUP – B)	—	—	2	12.5		25		—	50		
10.	* / 1 & 2 / S2 / LCHM	CHEMISTRY LAB (GROUP – B)	—	—	2	12.5		25		—	50		
11.	* / 1 & 2 / S3 / SED	ENGINEERING DRAWING (S) (GROUP – B)	—	—	6	50		100		—	200		
12.	* / 1 & 2 / S4 / WSPR	WORKSHOP PRACTICE	—	—	6	50		100		—	200		
13.	* / 2 / S5 / LCAP	COMPUTER APPLICATIONS & PROGRAMMING LAB	—	—	3	50		50		—	100		
14.	* / 2 / S6 / LETK	ELECTRICAL TECHNOLOGY LAB	—	—	2	25		25		—	50		
* Code for discipline			T O T A L			19	—	21	—	—	600	650	—

**CURRICULUM STRUCTURE FOR THIRD SEMESTER OF THE
FULL-TIME DIPLOMA COURSE IN PACKAGING TECHNOLOGY**

Sl. No.	Subject Code	Subject of Study	Study Scheme		Examination Scheme				Full Marks	
			Contact Hour/Week		Internal		External		Theory	Sessional
			Lecture	Sessional	Assessment	Attendance	Objective	Subjective		
		Theoretical Papers								
1	T-301	Thermodynamics & Heat Transfer	3	0	20	5	25	50	100	0
2	T-302	Basic Electronics	3	0	20	5	25	50	100	0
3	T-303	Introduction to Packaging (Packaging Technology – I)	3	0	20	5	25	50	100	0
4	T-304	Storage & Distribution Hazards (Packaging Technology – II)	3	0	20	5	25	50	100	0
5	T-305	Cellulose & Fibre Board Technology (Packaging Technology – III)	3	0	20	5	25	50	100	0
6	T-306	Environmental Engineering	3	0	20	5	25	50	100	0
TOTAL			18						600	

Sl. No	Subject Code	Subject of Study	Study Scheme		Examination Scheme		Full Marks	
			Contact Hour/Week		Internal	External	Theory	Sessional
			Lecture	Sessional				
7	S-301	Thermodynamics & Heat Transfer Lab.	0	3	25	25	0	50
8	S-302	Basic Electronics	0	3	25	25	0	50
9	S-303	Packaging Technology–I Lab	0	4	50	50	0	100
10	S-304	Packaging Technology – II Lab	0	4	50	50	0	100
11	S-305	Packaging Technology– III Lab	0	4	50	50	0	100
TOTAL				18	---	---	---	400

**CURRICULUM STRUCTURE FOR FOURTH SEMESTER OF THE
FULL-TIME DIPLOMA COURSE IN PACKAGING TECHNOLOGY**

Sl. No	Subject Code	Subject of Study	Study Scheme		Examination Scheme				Full Marks	
			Contact Hour/Week		Internal		External		Theory	Sessional
			Lecture	Sessional	Assessment	Attendance	Objective	Subjective		
		Theoretical Papers								
1	T-401	Communication Skills (Job)	3	0	10	2	0	38	50	0
2	T-402	Plastic Technology (Packaging Technology – IV)	3	0	20	5	25	50	100	0
3	T-403	Metal Packaging (Packaging Technology – V)	3	0	20	5	25	50	100	0
4	T-404	Glass Packaging (Packaging Technology – VI)	3	0	20	5	25	50	100	0
5	T-405	Ancillary Materials (Packaging Technology – VII)	3	0	20	5	25	50	100	0
6	T-406	Power Hydraulics & Pneumatics	3	0	20	5	25	50	100	0
TOTAL			18						550	

Sl. No	Subject Code	Subject of Study	Study Scheme		Examination Scheme		Full Marks		
			Contact Hour/Week		Internal	External	Theory	Sessional	
			Lecture	Sessional					
		Sessional Papers							
7	S-401	Communication Skills (Job) Lab.	0	2	25	25	0	50	
8	S-402	Packaging Technology – IV Lab	0	4	50	50	0	100	
9	S-403	Packaging Technology – V Lab	0	4	50	50	0	100	
10	S-404	Packaging Technology – VI Lab	0	4	50	50	0	100	
11	S-405	Packaging Technology – VII Lab	0	4	50	50	0	100	
TOTAL				18	---	---	---	450	

**CURRICULUM STRUCTURE FOR FIFTH SEMESTER OF THE
FULL-TIME DIPLOMA COURSE IN PACKAGING TECHNOLOGY**

Sl. No.	Subject Code	Subject Of Study	Study Scheme		Examination Scheme				Full Marks	
			Contact Hour/Week		Internal		External		Theory	Sessional
		Lecture	Sessional	Assessment	Attendance	Objective	Subjective			
		Theoretical Papers								
1	T-501	Database Management System	3	0	10	2	0	38	50	0
2	T-502	Food & Consumer Goods Packaging (Packaging Technology – VIII)	3	0	20	5	25	50	100	0
3	T-503	Packaging Machinery & Equipment (Packaging Technology – IX)	3	0	20	5	25	50	100	0
4	T-504	Package Testing And Evaluation (Packaging Technology –X)	3	0	20	5	25	50	100	0
5	T-505	Package Embellishment & Printing Technology	3	0	20	5	25	50	100	0
6	T-506	Packaging Economics & Management	3	0	20	5	25	50	100	0
Total			18						550	

Sl. No	Subject Code	Subject Of Study	Study Scheme		Examination Scheme		Full Marks		
			Contact Hour/Week		Internal	External	Theory	Sessional	
		Lecture	Sessional						
		Sessional Papers							
7	S-501	Database Management System Lab.	0	3	25	25	0	50	
8	S-502	Packaging Technology – VIII Lab.	0	4	50	50	0	100	
9	S-503	Packaging Technology – IX Lab	0	4	50	50	0	100	
10	S-504	Packaging Technology – X Lab	0	4	50	50	0	100	
11	S-505	Package Printing Technology Lab.	0	4	50	50	0	100	
Total				19	---	---		450	

**CURRICULUM STRUCTURE FOR SIXTH SEMESTER OF THE
FULL-TIME DIPLOMA COURSE IN PACKAGING TECHNOLOGY**

Sl. No	Subject Code	Subject of Study	Study Scheme		Examination Scheme				Full Marks	
			Contact Hour/Week		Internal		External		Theory	Sessional
			Lecture	Sessional	Assessment	Attendance	Objective	Subjective		
		Theoretical Papers								
1	T-601	Packaging Design (Packaging Technology – XII)	4	0	20	5	25	50	100	0
2	T-602 A B C	Elective (any one) : A) Application of Computer in Packaging (Auto CAD) B) Security Printing C) Coding System for Packaging	4	0	20	5	25	50	100	0
3	T-603	Marketing & Legislation in Packaging (Packaging Technology –XI)	4	0	20	5	25	50	100	0
TOTAL			12						300	

Sl. No	Subject Code	Subject of Study	Study Scheme		Examination Scheme		Full Marks		
			Contact Hour/Week		Internal	External	Theory	Sessional	
			Lecture	Sessional					
		Sessional Papers							
4	S-601	Packaging Design (Packaging Technology – XII)	0	4	50	50	0	100	
5	S-602 (A/B/C)	Lab. On Elective subject.	0	4	50	50	0	100	
6	S-603	Project Work (In Plant / Field)	0	12	150	150	0	300	
7	S-604	Seminar on Project work	0	4	50	50	0	100	
8	S-605	Final viva-voice	--	--	--	100	--	100	
TOTAL				24	---	---		700	