

DIPLOMA PROGRAMME IN COMPUTER SCIENCE AND APPLICATIONS (DCA)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
(A) For Entry of SLIET Certificate holders								
1	HU 3101	Communication Skills	3	–	–	25	50	75
2	HU 3151	Communication Lab	–	–	2	50	–	50
3	AM 3101	Applied Mathematics	3	1	–	25	75	100
(B) For Entry of 10+2 Passouts								
1	CS 3101	Internet and its Applications	3	1	–	25	75	100
2	EE 3103	Electrical Circuits & Systems	3	–	–	25	50	75
3	EE 3153	Electrical Circuits & Systems Lab	–	–	2	50	–	50
Common for both (A) and (B)								
1	CS 3102	Programming Methodology	3	–	–	25	50	75
2	CS 3103	Introduction to Operating Systems	3	–	–	25	50	75
3	EC 3103	Digital Electronics	3	1	–	25	75	100
4	IT 3101	Fundamentals of Information Tech.	3	–	–	25	50	75
5	CS 3152	Programming Methodology Lab	–	–	4	100	–	100
6	CS 3153	Operating System Lab	–	–	4	100	–	100
7	EC 3153	Digital Electronics Lab	–	–	2	50	–	50
Total:			18	2	12	450	350	800
			18	2	12	450	350	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	CS 3202	Introduction to Databases	3	–	–	25	50	75
2	CS 3203	Network Operating Systems	3	1	–	25	75	100
3	CS 3204	System Analysis and Design	3	1	–	25	75	100
4	IT 3201	Computer Communication	3	–	–	25	50	75
5	CS 3252	Data Base Lab	–	–	4	100	–	100
6	CS 3253	Network Operating Systems Lab	–	–	4	100	–	100
7	CS 3255	Office Automation Lab	–	–	6	150	–	150
8	CS 3256	Introduction of computer Hardware & Software	–	–	4	100	–	100
Total			12	2	18	550	250	800

SEMESTER-III A Industrial Training June to August

SEMESTER-III B August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	CS 4101	Object Oriented Programming	3	1	–	25	75	100
2	CS 4103	Data Processing & Organization	3	1	–	25	75	100
3	CS 4104	System Software	3	1	–	25	75	100
4	IT 4101	Web Technologies	3	1	–	25	75	100
5	CS 4151	Object Oriented Programming Lab	–	–	4	100	–	100
6	IT 4151	Web Technologies Lab	–	–	6	150	–	150
7	IT 4153	Multimedia Tools	–	–	6	150	–	150

Total	12	4	16	500	300	800
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SEMESTER-IV January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	CS 4202	Computer Networks	3	1	–	25	75	100
2	CS 4201	PC Organization	3	1	–	25	75	100
3	IT 4202	Internet Programming	3	1	–	25	75	100
4	HU 4201	EDP & Management	3	–	–	25	50	75
5	CS 4270	Project Work	–	–	9	225	–	225
6	IT 4252	Internet Programming Lab	–	–	4	100	–	100
7	IT 4253	Computer Networks Lab	–	–	4	100	–	100
Total			12	3	17	525	275	800

DIPLOMA PROGRAMME IN COMPUTER SCIENCE AND ENGINEERING (DCE)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
(A) For Entry of SLIET Certificate holders								
1	HU 3101	Communication Skills	3	–	–	25	50	75
2	HU 3151	Communication Lab	–	–	2	50	–	50
3	AM 3101	Applied Mathematics	3	1	–	25	75	100
(B) For Entry of 10+2 Passouts								
1	CS 3101	Internet and its Applications	3	1	–	25	75	100
2	EE 3103	Electrical Circuits & Systems	3	–	–	25	50	75
3	EE 3153	Electrical Circuits & Systems Lab	–	–	2	50	–	50
Common for both (A) and (B)								
1	EC 3103	Digital Electronics	3	1	–	25	75	100
2	IT 3101	Fundamentals of Information Tech.	3	–	–	25	50	75
3	CS 3102	Programming Methodology	3	–	–	25	50	75
4	CS 3103	Introduction to Operating Systems	3	–	–	25	50	75
5	CS 3153	Operating System Lab	–	–	4	100	–	100
6	CS 3152	Programming Methodology Lab	–	–	4	100	–	100
7	EC 3153	Digital Electronics Lab	–	–	2	50	–	50
Total:			18	2	12	450	350	800
			For SLIET Certificate holders					
			18	2	12	450	350	800
			For 10+2 Passouts					

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	CS 3202	Introduction to Databases	3	–	–	25	50	75
2	CS 3203	Net work Operating Systems	3	1	–	25	75	100
3	CS 3207	Data Communication	3	1	–	25	75	100
4	CS 3208	Computer Peripherals & Interfacing	3		–	25	50	75
5	CS 3252	Data Base Lab	–	–	4	100	–	100
6	CS 3253	Network Lab	–	–	4	100	–	100
7	CS 3258	Computer Peripherals & Interfacing Lab	–	–	4	100	–	100
8	CS 3255	Office Automation Lab	–	–	6	150	–	150
Total			12	2	18	550	250	800

SEMESTER-III A Industrial Training June to August

SEMESTER-III B August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	IT 4102	Basics of Networking	3	–	–	25	50	75
2	CS 4101	Object Oriented Programming	3	1	–	25	75	100
3	CS 4102	Computer System Architecture	3		–	25	50	75
4	CS 4105	Visual Programming	3	1	–	25	75	100
5	CS 4157	Trouble Shooting & Maintenance of Computer Lab	–	–	6	150	–	150
6	CS 4151	Object Oriented Programming Lab	–	–	4	100	–	100
7	IT 4152	Networking Lab	–	–	2	50	–	50
8	CS 4155	Visual Programming Lab	–	–	6	150	–	150

Total 12 2 18 550 250 800

SEMESTER-IV January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	CS 4203	System Software	3	1	–	25	75	100
2	CS 4201	PC Organization	3	1	–	25	75	100
3	IT 4201	Network Security	3	1	–	25	75	100
4	HU 4201	EDP & Management	3	–	–	25	50	75
5	CS 4254	Web Designing Lab	–	–	4	100	–	100
6	CS 4251	PC Organization Lab	–	–	4	100	–	100
7	CS 4270	Project Work	–	–	9	225	–	225
Total			12	3	17	525	275	800

DIPLOMA PROGRAMME IN CHEMICAL TECHNOLOGY (DCT)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total			
(A) For Entry of SLIET Certificate holders											
1	HU 3101	Communication Skills	3	–	–	25	50	75			
2	AP 3101	Applied Physics	3	1	–	25	75	100			
3	AC 3101	Applied Chemistry	3	1	–	25	75	100			
4	AM 3101	Applied Mathematics	3	1	–	25	75	100			
5	AP 3151	Applied Physics Lab	–	–	2	50	–	50			
6	AC 3151	Applied Chemistry Lab	–	–	2	50	–	50			
7	HU 3151	Communication Lab	–	–	2	50	–	50			
(B) For Entry of 10+2 Passouts											
1	ME 3104	Fundamentals of Mechanical Engg	2	1	–	25	50	75			
2	EE 3104	Electrical & electronics Engg	2	–	–	25	25	50			
3	ME 3151	Basic Engg Drawing Lab	–	–	4	100	–	100			
4	WS 3151	General workshop Practice	–	–	8	200	–	200			
5	ME 3154	Mech Engg Lab	–	–	2	50	–	50			
6	CH 3151	Chemical Tech Lab	–	–	2	50	–	50			
Common for both (A) and (B)											
1	IT 3151	Fundamentals of IT Lab	–	–	4	100	–	100			
2	CH 3101	Introduction to Chemical Technology	3	–	–	25	50	75			
3	CH 3102	Engineering Materials	3	1	–	25	75	100			
Total:			For SLIET Certificate holders			18	4	10	400	400	800
			For 10+2 Passouts			10	2	20	600	200	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	CH 3201	Mechanical Operations	2	1	–	25	50	75
2	CH 3202	Fluid Flow Operations	3	1	–	25	75	100
3	CH 3203	Heat Transfer	2	1	–	25	50	75
4	CH 3204	Chemical Technology -I	2	1	–	25	50	75
5	CH 3205	Industrial Stiochiometry	3	1	–	25	75	100
6	CH 3206	Mass Transfer	2	1	–	25	50	75
7	CH 3251	Mechanical Operations Lab	–	–	2	50	–	50
8	CH 3252	Fluid Flow Operations Lab	–	–	2	50	–	50
9	CH 3253	Heat Transfer Lab	–	–	4	100	–	100
10	CH 3256	Mass Transfer Lab	–	–	4	100	–	100
Total			14	6	12	450	350	800

SEMESTER-III A Industrial Training June to August

SEMESTER-III B August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	CH4101	Environment Engg & Safety	3	1	–	25	75	100
2	CH4102	Chemical Engg & Thermodynamics	3	1	–	25	75	100
3	CH4103	Chemical Technology -II	3	1	–	25	75	100
4	CH4104	Chemical Reaction Engg	3	1	–	25	75	100
5	CH4105	Process Instrumentation	3	1	–	25	75	100
6	CH4151	Environment Engg Lab	–	–	2	50	–	50
7	CH4152	Chemical Engg & Thermodynamics Lab	–	–	2	50	–	50
8	CH4154	Reaction Engg Lab	–	–	2	50	–	50
9	CH4155	Process Instrumentation Lab	–	–	2	50	–	50
10	CH4106*	Elective -I	3	1		25	75	100
Total			18	6	8	350	450	800

SEMESTER-IV January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	CH4201	Petroleum Technology	3	1	–	25	75	100
2	CH4252	Computer Applications in Chemical Engg Lab	–	–	4	100	–	100
3	HU4201	EDP & Management	3	–	–	25	50	75
4	CH4204	Process Equipment Drawing & Design	3	1	–	25	75	100
5	CH4270	Project Work	–	–	7	175	–	175
6	CH4251	Petroleum Technology Lab	–	–	2	50	–	50
7	CH4254	Process Equipment Drawing & Design Lab	–	–	2	50	–	50
8	CH4203*	Elective -II	3	1	–	25	75	100
9	CH4253*	Elective -II Lab	–	–	2	50	–	50
Total			12	3	17	525	275	800

DIPLOMA PROGRAMME IN CHEMICAL TECHNOLOGY (DCT)**Elective- I (Any one of the following)**

			L	T	P
1	CH4106A	Fermentation Technology	3	1	-
2	CH4106B	Agro Residue Utilization			
3	CH4106C	Combustion Technology			
4	CH4106D	Corrosion Engineering			

Elective- II (Any one of the following with corresponding Lab)

			L	T	P
1	CH4203A	Polymer Technology	3	1	-
2	CH4203B	Paper Technology			
3	CH4203C	Sugar technology			
4	CH4203D	Alternate Energy Sources			

Elective- II Lab

			L	T	P
1	CH4253A	Polymer Technology Lab	-	-	2
2	CH4253B	Paper Technology Lab			
3	CH4253C	Sugar technology Lab			
4	CH4253D	Alternate Energy Sources Lab			

DIPLOMA PROGRAMME IN ELECTRONICS AND COMMUNICATION ENGINEERING (DEC)**SEMESTER-I** August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
(A) For Entry of SLIET Certificate holders								

1	HU 3101	Communication Skills	3	–	–	25	50	75
2	AP 3101	Applied Physics	3	1	–	25	75	100
3	AC 3101	Applied Chemistry	3	1	–	25	75	100
4	AP 3151	Applied Physics Lab	–	–	2	50	–	50
5	AC 3151	Applied Chemistry Lab	–	–	2	50	–	50
6	HU 3151	Communication Lab	–	–	2	50	–	50
7	AM 3101	Applied Mathematics	3	1	–	25	75	100

(B) For Entry of 10+2 Passouts

1	ME 3151	Basic Engg Drawing Lab	–	–	4	100	–	100
2	WS 3151	General workshop Practice	–	–	8	200	–	200
3	EC 3102	Electronic Measurement & Instrumentation	3	–	–	25	50	75
4	EC 3104	EMF and Wave Propagation	3	1	–	25	75	100
5	EC 3152	Electronic Measurement & Instrumentation Lab	–	–	2	50	–	50

Common for both (A) and (B)

1	EC 3101	Electronic Devices	3	–	–	25	50	75
2	EE 3101	Basic Electrical Engg	2	–	–	25	25	50
3	CS 3151	Computer Applications-I	–	–	2	50	–	50
4	EC 3151	Electronics Devices Lab	–	–	2	50	–	50
5	EE 3151	Electrical Engg Lab	–	–	2	50	–	50

Total: **For SLIET Certificate holders** 17 3 12 450 350 800

For 10+2 Passouts 11 1 20 600 200 800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	EC 3201	Electronics Components & Materials	2	–	–	25	25	50
2	EC 3202	Electronics Circuits	3	–	–	25	50	75
3	EC 3203	Fundamentals of Communication Engg	2	–	–	25	25	50
4	EC 3204	Digital Electronics	3	1	–	25	75	100
5	EC 3255	PCB Design & Electronic Fabrication	–	–	6	150	–	150
6	EE 3201	Electrical Machines	3	–	–	25	50	75
7	CS 3201	Computer Programming	2	–	–	25	25	50
8	EC 3252	Electronics Circuits Lab	–	–	2	50	–	50
9	EC 3253	Communication Engg Lab	–	–	2	50	–	50
10	EC 3254	Digital Electronics Lab	–	–	2	50	–	50
11	EE 3251	Electrical Machines Lab	–	–	2	50	–	50
12	CS 3251	Computer Programming Lab	–	–	2	50	–	50
Total			15	1	12	550	250	800

SEMESTER-III A Industrial Training June to August

SEMESTER-III B August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	EC 4101	Microprocessors - I	3	–	–	25	50	75
2	EC 4102	Linear ICs & Applications	3	–	–	25	50	75
3	EC 4103	TV Engg (Monochrome & Color)	3	–	–	25	50	75
4	EC 4104	Industrial Electronics	3	–	–	25	50	75
5	EC 4155	Fault Diagnosis & Trouble Shooting	–	–	4	100	–	100
6	EC 4151	Microprocessors - I Lab	–	–	4	100	–	100

7	EC4152	Linear ICs & Applications Lab	–	–	4	100	–	100
8	EC4153	TV Engg Lab (Monochrome & Color)	–	–	4	100	–	100
9	EC4154	Industrial Electronics Lab	–	–	4	100	–	100
Total			12	0	20	600	200	800

SEMESTER-IV January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	EC 4201	Modern Communication Engg	3	–	–	25	50	75
2	EC 4202	Microcontrollers & PLCs	3	–	–	25	50	75
3	EC 4203	Consumer Electronics	2	–	–	25	25	50
4	EC 4204	Microprocessors -II	3	–	–	25	50	75
5	HU 4201	EDP & Management	3	–	–	25	50	75
6	EC 4270	Project work	–	–	6	150	–	150
7	EC 4251	Communication Engg Lab	–	–	2	50	–	50
8	EC 4252	Microcontrollers & PLCs Lab	–	–	4	100	–	100
9	EC 4253	Consumer Electronics Lab	–	–	2	50	–	50
10	EC 4254	Microprocessors -II Lab	–	–	4	100	–	100
Total			14	0	18	575	225	800

DIPLOMA PROGRAMME IN FOOD TECHNOLOGY (DFP)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
(A) For Entry of SLIET Certificate holders								
1	HU 3101	Communication Skills	3	–	–	25	50	75
2	AP 3101	Applied Physics	3	1	–	25	75	100
3	AC 3101	Applied Chemistry	3	1	–	25	75	100
4	AM 3101	Applied Mathematics	3	1	–	25	75	100
5	AP 3151	Applied Physics Lab	–	–	2	50	–	50
6	AC 3151	Applied Chemistry Lab	–	–	2	50	–	50
7	HU 3151	Communication Lab	–	–	2	50	–	50
(B) For Entry of 10+2 Passouts								
1	WS 3151	General workshop Practice	–	–	8	200	–	200
2	ME 3105	General Engg	2	–	–	25	25	50
3	IT 3151	Fundamentals of IT Lab	–	–	4	–	–	100
4	FT 3101	Introduction to Food Tech	3	–	–	25	50	75
5	FT 3151	Introduction to Food Tech Lab	–	–	2	50	–	50
6	ME 3155	General Engg Lab	–	–	2	50	–	50
Common for both (A) and (B)								
1	FT 3102	Food Chemistry	3	1	–	25	75	100
2	ME 3151	Basic Engg Drawing Lab	–	–	4	100	–	100
3	FT 3152	Food Chemistry Lab	–	–	3	75	–	75
Total:			15	4	13	450	350	800
			8	1	23	650	150	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	FT 3201	Unit Operations in Food Processing	3	–	–	25	50	75
2	FT 3202	Food Microbiology	3	–	–	25	50	75
3	FT 3203	Handling & Storage of Food & Food Products	3	–	–	25	50	75
4	FT 3204	Fruits & Vegetable Technology	3	–	–	25	50	75
5	FT 3205	Pulses & Oilseeds Processing Tech	3	–	–	25	50	75
6	FT 3206	Dairy Tech	3	–	–	25	50	75
7	FT 3251	Unit Operations in Food Processing Lab	–	–	2	50	–	50
8	FT 3252	Food Microbiology Lab	–	–	2	50	–	50
9	FT 3253	Handling & Storage of Food & Food Products Lab	–	–	2	50	–	50
10	FT 3254	Fruits & Vegetable Technology Lab	–	–	3	75	–	75
11	FT 3255	Pulses & Oilseeds Processing Tech Lab	–	–	3	75	–	75
12	FT 3256	Dairy Tech Lab	–	–	2	50	–	50
Total			18	0	14	500	300	800

SEMESTER-III A Industrial Training June to August

SEMESTER-III B August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	FT 4101	Food Packaging Tech	3	–	–	25	50	75
2	FT 4102	Food Analysis & Quality Control	3	–	–	25	50	75
3	CH 4107	Instrumentation & Process Control	3	–	–	25	50	75
4	FT 4103	Cereal Process Tech	3	–	–	25	50	75
5	FT 4104	Tech of Meat, Fish and Poultry	3	–	–	25	50	75
6	FT 4151	Food Packaging Tech Lab	–	–	3	75	–	75

7	FT 4152	Food Analysis & Quality Control Lab	–	–	4	100	–	100
8	CH4157	Instrumentation & Process Control Lab	–	–	2	50	–	50
9	FT 4153	Cereal Process Tech Lab	–	–	4	100	–	100
10	FT 4154	Tech of Meat, Fish and Poultry Lab	–	–	4	100	–	100
Total			15	0	17	550	250	800

SEMESTER-IV January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	FT 4201	Waste Management & Effluent Treatment	3	–	–	25	50	75
2	FT 4202	Elements of Food Engg	3	–	–	25	50	75
3	FT 4203	Food Beverages Tech	3	–	–	25	50	75
4	FT 4254	Computer Applications in Food Tech Lab	–	–	3	75	–	75
5	HU 4201	EDP & Management	3	–	–	25	50	75
6	FT 4270	Project Work	–	–	8	200	–	200
7	FT 4251	Waste Management & Effluent Treatment Lab	–	–	3	75	–	75
8	FT 4252	Elements of Food Engg Lab	–	–	3	75	–	75
9	FT 4253	Food Beverages Tech Lab	–	–	3	75	–	75
Total			12		20	600	200	800

DIPLOMA PROGRAMME IN FOUNDRY TECHNOLOGY (DFT)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
(A) For Entry of SLIET Certificate holders								

1	HU 3101	Communication Skills	3	–	–	25	50	75
2	AP 3101	Applied Physics	3	1	–	25	75	100
3	AC 3101	Applied Chemistry	3	1	–	25	75	100
4	AM 3101	Applied Mathematics	3	1	–	25	75	100
5	AP 3151	Applied Physics Lab	–	–	2	50	–	50
6	AC 3151	Applied Chemistry Lab	–	–	2	50	–	50
7	HU 3151	Communication Lab	–	–	2	50	–	50

(B) For Entry of 10+2 Passouts

1	WS 3151	General workshop Practice	–	–	8	200	–	200
2	EE 3105	Electrical Tech & Electronics	3	–	–	25	50	75
3	IT 3151	Fundamentals of IT Lab	–	–	4	100	–	100
4	ME 3151	Basic Engg Drawing Lab	–	–	4	100	–	100
5	EE 3155	Electrical Tech & Electronics Lab	–	–	2	50	–	50

Common for both (A) and (B)

1	ME 3102	Applied Mechanics	3	1	–	25	75	100
2	ME 3103	Manufacturing Processes-I	4	1	–	50	75	125
3	ME 3152	Applied Mechanics Lab	–	–	2	50	–	50
Total:			19	5	8	375	425	800
			10	2	20	600	200	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	ME 3201	Manufacturing Processes-II	3	–	–	25	50	75
2	ME 3202	Strength of Materials	3	1	–	25	75	100
3	ME 3203	Thermal Engg	3	1	–	25	75	100
4	ME 3204	Principles of Metal Casting	3	–	–	25	50	75
5	ME 3205	Foundry Materials	2	–	–	25	25	50
6	ME 3256	Pattern Design & Drawing Lab	–	–	6	150	–	150
7	ME 3252	Strength of Materials Lab	–	–	2	50	–	50
8	ME 3253	Thermal Engg Lab	–	–	2	50	–	50
9	ME 3255	Foundry Materials Lab	–	–	6	150	–	150
Total			14	2	16	525	275	800

SEMESTER-III A Industrial Training June to August

SEMESTER-III B August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	ME 4101	Computer Applications	2	–	–	25	25	50
2	ME 4102	Moulding Technology	2	–	–	25	25	50
3	ME 4103	Melting Technology	3	–	–	25	50	75
4	ME 4104	Foundry Layout & Automation	2	–	–	25	25	50
5	ME 4105	Inspection, Testing & Quality Control	2	–	–	25	25	50
6	HU 4101	EDP & Management	3	–	–	25	50	75
7	ME 4151	Computer Applications Lab	–	–	2	50	–	50
8	ME 4152	Moulding Technology Lab	–	–	6	150	–	150
9	ME 4153	Melting Technology Lab	–	–	4	100	–	100
10	ME 4154	Foundry Layout & Automation Lab	–	–	2	50	–	50
11	ME 4155	Inspection, Testing & Quality Control Lab	–	–	4	100	–	100

Total 14 18 600 200 800

SEMESTER-IV January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	ME 4201	CNC Machines & CAD/CAM	3	–	–	25	50	75
2	ME 4202	Estimation & Costing	2	1	–	25	50	75
3	ME 4203	Foundry Metallurgy	2	–	–	25	25	50
4	ME 4204	Foundry Equipment Repair & Maintenance	3	–	–	25	50	75
5	ME 4205	Energy & Environment Management	3	1	–	25	75	100
6	ME 4270	Project Work	–	–	7	175	–	175
7	ME 4251	CNC Machines & CAD/CAM Lab	–	–	4	100	–	100
8	ME 4253	Foundry Metallurgy Lab	–	–	4	100	–	100
9	ME 4254	Foundry Equipment Repair & Maintenance Lab	–	–	2	50	–	50
Total			13	2	17	550	250	800

1	IE 4101	Control Engg	3	–	–	25	50	75
2	IE 4102	Process Instrumentation	3	1	–	25	75	100
3	EC 4104	Industrial Electronics	3	–	–	25	50	75
4	IE 4103	Microprocessors	3	1	–	25	75	100
5	CS 4106	Computer Programming	2	–	–	25	25	50
6	IE 4104	Analytical & Bio-medical Instruments	3	1	–	25	75	100
7	IE 4151	Control Engg Lab	–	–	2	50	–	50
8	IE 4152	Process Instrumentation Lab	–	–	2	50	–	50
9	EC 4154	Industrial Electronics Lab	–	–	2	50	–	50
10	IE 4153	Microprocessors Lab	–	–	2	50	–	50
11	CS 4156	Computer Programming Lab	–	–	2	50	–	50
12	IE 4154	Analytical & Bio-medical Instruments Lab	–	–	2	50	–	50
Total			17	3	12	450	350	800

SEMESTER-IV January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	IE 4201	Process Control	3	–	–	25	50	75
2	IE 4202	Microcontrollers and PLCs	3	–	–	25	50	75
3	IE 4203	Hydraulic and Pneumatic Instruments	3	–	–	25	50	75
4	HU 4201	EDP & Management	3	–	–	25	50	75
5	IE 4270	Project Work	–	–	6	150	–	150
6	IE 4251	Process Control Lab	–	–	2	50	–	50
7	IE 4252	Microcontrollers and PLCs Lab	–	–	4	100	–	100
8	IE 4253	Hydraulic and Pneumatic Instruments Lab	–	–	2	50	–	50
9	IE 4254	Fault Finding and Troubleshooting	–	–	6	150	–	150
Total			12	0	20	600	200	800

DIPLOMA PROGRAMME INDUSTRIAL AND PRODUCTION ENGINEERING (DIP)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
(A) For Entry of SLIET Certificate holders								
1	HU 3101	Communication Skills	3	–	–	25	50	75
2	AP 3101	Applied Physics	3	1	–	25	75	100
3	AC 3101	Applied Chemistry	3	1	–	25	75	100
4	AM 3101	Applied Mathematics	3	1	–	25	75	100
5	AP 3151	Applied Physics Lab	–	–	2	50	–	50
6	AC 3151	Applied Chemistry Lab	–	–	2	50	–	50
7	HU 3151	Communication Lab	–	–	2	50	–	50
(B) For Entry of 10+2 Passouts								
1	WS 3151	General workshop Practice	–	–	8	200	–	200
2	EE 3105	Electrical Tech & Electronics	3	–	–	25	50	75
3	IT 3151	Fundamentals of IT Lab	–	–	4	100	–	100
4	ME 3151	Basic Engg Drawing Lab	–	–	4	100	–	100
5	EE 3155	Electrical Tech & Electronics Lab	–	–	2	50	–	50
Common for both (A) and (B)								
1	ME 3102	Applied Mechanics	3	1	–	25	75	100
2	ME 3131	Foundry, Forming & Welding Process	3	–	–	25	50	75
3	ME 3152	Applied Mechanics Lab	–	–	2	50	–	50
4	ME 3181	Foundry, Forming & Welding Process Lab	–	–	2	50	–	50
Total:								
					For SLIET Certificate holders			
			18	4	10	400	400	800
					For 10+2 Passouts			
			9	1	22	625	175	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	ME 3202	Strength of Materials	3	1	–	25	75	100
2	ME 3203	Thermal engg	3	1	–	25	75	100
3	ME 3211	Theory of Machines	3	1	–	25	75	100
4	ME 3231	Manufacturing Materials	2	–	–	25	25	50
5	ME 3232	Machine Tool & Metal Cutting	2	–	–	25	25	50
6	ME 3233	Production Management	2	–	–	25	25	50
7	ME 3252	Strength of Materials Lab	–	–	2	50	–	50
8	ME 3253	Thermal engg Lab	–	–	2	50	–	50
9	ME 3261	Theory of Machines Lab	–	–	2	50	–	50
10	ME 3281	Manufacturing Materials Lab	–	–	2	50	–	50
11	ME 3282	Machine Tool & Metal Cutting Lab	–	–	6	150	–	150
Total			15	3	14	500	300	800

SEMESTER-III A Industrial Training June to August

SEMESTER-III B August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	HU 4101	EDP & Management	3	–	–	25	50	75

2	ME 4156	Machine Drawing	–	–	6	150	–	150
3	ME 4112	Machine Design	3	1	–	25	75	100
4	ME 4101	Computer Applications	2	–	–	25	25	50
5	ME 4181	Modern Manufacturing Processes Lab	–	–	6	150	–	150
6	ME 4151	Computer Applications Lab	–	–	2	50	–	50
7	ME 4131	Modern Manufacturing Processes	4	–	–	25	75	100
8	ME 4132	Industrial Metrology & Quality Control	3	–	–	25	50	75
9	ME 4182	Industrial Metrology & Quality Control Lab	–	–	2	50	–	50
Total			15	1	16	525	275	800

SEMESTER-IV January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	ME 4201	CNC Machines & CAD/CAM	3	–	–	25	50	75
2	ME 4202	Estimation & Costing	2	1	–	25	50	75
3	ME 4211	Industrial Automation & Control	3	–	–	25	50	75
4	ME 4231	Maintenance Engg & Management	3	–	–	25	50	75
5	ME 4232	Industrial Engg	3	–	–	25	50	75
6	ME 4270	Project Work	–	–	7	175	–	175
7	ME 4251	CNC Machines & CAD/CAM Lab	–	–	4	100	–	100
8	ME 4261	Industrial Automation & Control Lab	–	–	2	50	–	50
9	ME 4281	Maintenance Engg & Management Lab	–	–	2	50	–	50
10	ME 4282	Industrial Engg Lab	–	–	2	50	–	50
Total			14	1	17	550	250	800

DIPLOMA PROGRAMME MAINTENANCE & PLANT ENGINEERING (DMP)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total			
(A) For Entry of SLIET Certificate holders											
1	HU 3101	Communication Skills	3	–	–	25	50	75			
2	AP 3101	Applied Physics	3	1	–	25	75	100			
3	AC 3101	Applied Chemistry	3	1	–	25	75	100			
4	AM 3101	Applied Mathematics	3	1	–	25	75	100			
5	AP 3151	Applied Physics Lab	–	–	2	50	–	50			
6	AC 3151	Applied Chemistry Lab	–	–	2	50	–	50			
7	HU 3151	Communication Lab	–	–	2	50	–	50			
(B) For Entry of 10+2 Passouts											
1	WS 3151	General Workshop Practice	–	–	8	200	–	200			
2	EE 3105	Electrical Tech & Electronics	3	–	–	25	50	75			
3	IT 3151	Fundamentals of IT Lab	–	–	4	100	–	100			
4	ME 3151	Basic Engg Drawing Lab	–	–	4	100	–	100			
5	EE 3155	Electrical Tech & Electronics Lab	–	–	2	50	–	50			
Common for both (A) and (B)											
1	ME 3102	Applied Mechanics	3	1	–	25	75	100			
2	ME 3103	Manufacturing Processes-I	4	1	–	50	75	125			
3	ME 3152	Applied Mechanics Lab	–	–	2	50	–	50			
Total:			For SLIET Certificate holders			19	5	8	375	425	800
			For 10+2 Passouts			10	2	20	600	200	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	ME 3201	Manufacturing Processes-II	3	–	–	25	50	75
2	ME 3202	Strength of Materials	3	1	–	25	75	100
3	ME 3203	Thermal Engg	3	1	–	25	75	100
4	ME 3211	Theory of Machines	3	1	–	25	75	100
5	ME 3212	Fluid Mechanics & Machinery	3	–	–	25	50	75
6	ME 3213	Engineering Material	3	–	–	25	50	75
7	ME 3214	Maintenance Engg	3	–	–	25	50	75
8	ME 3252	Strength of Materials Lab	–	–	2	50	–	50
9	ME 3253	Thermal Engg Lab	–	–	2	50	–	50
10	ME 3261	Theory of Machines Lab	–	–	2	50	–	50
11	ME 3262	Fluid Mechanics & Machinery Lab	–	–	2	50	–	50
Total			21	3	8	375	425	800

SEMESTER-III A Industrial Training June to August

SEMESTER-III B August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	HU 4101	EDP & Management	3	–	–	25	50	75
2	ME 4156	Machine Drawing	–	–	6	150	–	150

3	ME 4112	Machine Design	3	1	–	25	75	100
4	ME 4113	Maintenance of Equipment -Mechanical	2	–	–	25	25	50
5	EE 4101	Maintenance of Equipment -Electrical & Electronics	3	–	–	25	50	75
6	ME 4114	Metrology & Equipments	3	–	–	25	50	75
7	ME 4115	Ref. & AC Repair & Maintenance	3	–	–	25	50	75
8	ME 4163	Maintenance of Equipment -Mechanical Lab	–	–	2	50	–	50
9	ME 4164	Metrology & Equipments Lab	–	–	2	50	–	50
10	ME 4165	Ref. & AC Repair & Maintenance Lab	–	–	2	50	–	50
11	EE 4151	Maintenance of Equipment -Electrical & Electronics Lab	–	–	2	50	–	50
Total			17	1	14	500	300	800

SEMESTER-IV January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	ME 4201	CNC Machines & CAD/CAM	3	–	–	25	50	75
2	ME 4202	Estimation & Costing	2	1	–	25	50	75
3	ME 4211	Industrial Automation & Control	3	1	–	25	50	75
4	ME 4212	Advanced Trend in Maintenance	4	1	–	50	75	125
5	ME 4213	Plant Engg & Management	4	1	–	50	75	125
6	ME 4270	Project Work	–	–	7	175	–	175
7	ME 4251	CNC Machines & CAD/CAM Lab	–	–	4	100	–	100
8	ME 4261	Industrial Automation & Control Lab	–	–	2	50	–	50
Total			16	4	13	500	300	800

DIPLOMA PROGRAMME WELDING TECHNOLOGY (DWT)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total			
(A) For Entry of SLIET Certificate holders											
1	HU 3101	Communication Skills	3	–	–	25	50	75			
2	AP 3101	Applied Physics	3	1	–	25	75	100			
3	AC 3101	Applied Chemistry	3	1	–	25	75	100			
4	AM 3101	Applied Mathematics	3	1	–	25	75	100			
5	AP 3151	Applied Physics Lab	–	–	2	50	–	50			
6	AC 3151	Applied Chemistry Lab	–	–	2	50	–	50			
7	HU 3151	Communication Lab	–	–	2	50	–	50			
(B) For Entry of 10+2 Passouts											
1	WS 3151	General Workshop Practice	–	–	8	200	–	200			
2	EE 3105	Electrical Tech & Electronics	3	–	–	25	50	75			
3	IT 3151	Fundamentals of IT Lab	–	–	4	100	–	100			
4	ME 3151	Basic Engg Drawing Lab	–	–	4	100	–	100			
5	EE 3155	Electrical Tech & Electronics Lab	–	–	2	50	–	50			
Common for both (A) and (B)											
1	ME 3102	Applied Mechanics	3	1	–	25	75	100			
2	ME 3103	Manufacturing Processes-I	4	1	–	50	75	125			
3	ME 3152	Applied Mechanics Lab	–	–	2	50	–	50			
Total:			For SLIET Certificate holders			19	5	8	375	425	800
			For 10+2 Passouts			10	2	20	600	200	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	ME 3201	Manufacturing Processes-II	3	–	–	25	50	75
2	ME 3202	Strength of Materials	3	1	–	25	75	100
3	ME 3203	Thermal Engg	3	1	–	25	75	100
4	ME 3221	Materials & Metallurgy	2	–	–	25	25	50
5	ME 3222	Metrology	2	–	–	25	25	50
6	ME 3223	Welding Tech-I	3	–	–	25	50	75
7	ME 3252	Strength of Materials Lab	–	–	2	50	–	50
8	ME 3253	Thermal Engg Lab	–	–	2	50	–	50
9	ME 3271	Materials & Metallurgy Lab	–	–	2	50	–	50
10	ME 3272	Metrology Lab	–	–	2	50	–	50
11	ME 3273	Welding Tech-I Lab	–	–	6	150	–	150
Total			16	2	14	500	300	800

SEMESTER-III A Industrial Training June to August

SEMESTER-III B August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
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1	ME 4121	Welding Tech -II	3	–	–	25	50	75
2	ME 4122	Inspection & Testing of Weldments	2	–	–	25	25	50
3	ME 4123	Machine Design & Drawing	2	–	–	25	25	50
4	ME 4124	Maintenance Engg	2	–	–	25	25	50
5	HU 4101	EDP & Management	3	–	–	25	50	75
6	ME 4171	Welding Tech -II Lab	–	–	6	150	–	150
7	ME 4172	Inspection & Testing of Weldments Lab	–	–	4	100	–	100
8	ME 4173	Machine Design & Drawing Lab	–	–	6	150	–	150
9	ME 4174	Maintenance Engg Lab	–	–	4	100	–	100
Total			12	0	20	625	175	800

SEMESTER-IV January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	ME 4201	CNC Machines & CAD/CAM	3	–	–	25	50	75
2	ME 4202	Estimation & Costing	2	1	–	25	50	75
3	ME 4221	Welding Technology-III	3	1	–	25	75	100
4	ME 4222	Welding Metallurgy	2	1	–	25	50	75
5	ME 4270	Project Work	–	–	7	175	–	175
6	ME 4251	CNC Machines & CAD/CAM Lab	–	–	4	100	–	100
7	ME 4271	Welding Technology-III Lab	–	–	6	150	–	150
8	ME 4272	Welding Metallurgy Lab	–	–	2	50	–	50
Total			10	3	19	575	225	800

