

CERTIFICATE PROGRAMME IN AIR CONDITION & REFRIGERATION (CAC)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1101	Applied Chemistry	3	1	--	25	75	100
2	AM 1101	Applied Mathematics-I	3	2	--	50	75	125
3	AP 1101	Applied Physics-I	3	1	--	25	75	100
4	HU 1101	Communication Skills	2	1	--	25	50	75
5	ME 1101	Workshop Technology-I	2	--	--	25	25	50
6	AC 1151	Applied Chemistry Lab	--	--	2	50	--	50
7	AP 1151	Applied Physics-I Lab	--	--	2	50	--	50
8	ME 1151	Engineering Drawing	--	--	4	100	--	100
9	WS 1151	Workshop Practice	--	--	6	150	--	150
TOTAL			13	5	14	500	300	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1201	Chemistry & Environment	2	1	--	25	50	75
2	AM 1201	Applied Mathematics-II	3	2	--	50	75	125
3	AP 1201	Applied Physics-II	3	1	--	25	75	100
4	EE 1201	Fundamentals of Electrical Engg.	2	1	--	25	50	75
5	ME 1202	Basic Thermodynamics	2	1	--	25	50	75
6	AC 1251	Chemistry Lab	--	--	2	50	--	50
7	AP 1251	Applied Physics-II Lab	--	--	2	50	--	50
8	CS 1251	Computer Fundamentals & IT Lab	--	--	2	50	--	50
9	EE 1251	Fundamentals of Electrical Engg. Lab	--	--	2	50	--	50
10	ME 1252	Basic Thermodynamics Lab	--	--	2	50	--	50
11	ME 1253	Technical Drawing	--	--	4	100	--	100
TOTAL			12	6	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 2101	Entrepreneurship Development Programme	2	--	--	25	25	50
2	ME 2101	Engineering Materials	3	--	--	25	50	75
3	ME 2114	Basic Refrigeration & Air Conditioning	2	--	--	25	25	50
4	ME 2115	Refrigeration & Air Conditioning Equipments	2	--	--	25	25	50
5	ME 2116	Installation & Servicing of Refrigeration & Air Conditioning Equipment-I	2	--	--	25	25	50
6	ME 2117	Workshop Technology-II	3	--	--	25	50	75
7	ME 2164	Refrigeration & Air Conditioning Lab	--	--	6	150	--	150
8	ME 2165	Refrigeration & Air Conditioning Equipments Lab	--	--	6	150	--	150
9	ME 2166	Installation & Servicing of Refrigeration & Air Conditioning Equipment-I Lab	--	--	6	150	--	150
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 2203	Management & Costing	2	--	--	25	25	50
2	ME 2214	Applications of Refrigeration & Air Conditioning	2	--	--	25	25	50
3	ME 2215	Installation & Servicing of Refrigeration & Air Conditioning Equipment-II	3	--	--	25	50	75
4	ME 2216	Trouble Shooting & Maintenance	2	--	--	25	25	50
5	ME 2264	Applications of Ref. & Air Conditioning Lab	--	--	2	50	--	50
6	ME 2265	Installation & Servicing of Refrigeration & Air Conditioning Equipment-II Lab	--	--	12	300	--	300
7	ME 2266	Trouble Shooting & Maintenance Lab	--	--	3	75	--	75
8	ME 2270	Project Work	--	--	6	150	--	150
		TOTAL	9	--	23	675	125	800

CERTIFICATE PROGRAMME IN AUTO & FARM MACHINERY (CAF)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1101	Applied Chemistry	3	1	--	25	75	100
2	AM 1101	Applied Mathematics-I	3	2	--	50	75	125
3	AP 1101	Applied Physics-I	3	1	--	25	75	100
4	HU 1101	Communication Skills	2	1	--	25	50	75
5	ME 1101	Workshop Technology-I	2	--	--	25	25	50
6	AC 1151	Applied Chemistry Lab	--	--	2	50	--	50
7	AP 1151	Applied Physics-I Lab	--	--	2	50	--	50
8	ME 1151	Engineering Drawing	--	--	4	100	--	100
9	WS 1151	Workshop Practice	--	--	6	150	--	150
TOTAL			13	5	14	500	300	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1201	Chemistry & Environment	2	1	--	25	50	75
2	AM 1201	Applied Mathematics-II	3	2	--	50	75	125
3	AP 1201	Applied Physics-II	3	1	--	25	75	100
4	EE 1201	Fundamentals of Electrical Engg.	2	1	--	25	50	75
5	ME 1202	Basic Thermodynamics	2	1	--	25	50	75
6	AC 1251	Chemistry Lab	--	--	2	50	--	50
7	AP 1251	Applied Physics-II Lab	--	--	2	50	--	50
8	CS 1251	Computer Fundamentals & IT Lab	--	--	2	50	--	50
9	EE 1251	Fundamentals of Electrical Engg. Lab	--	--	2	50	--	50
10	ME 1252	Basic Thermodynamics Lab	--	--	2	50	--	50
11	ME 1253	Technical Drawing	--	--	4	100	--	100
TOTAL			12	6	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 2101	Entrepreneurship Development Programme	2	--	--	25	25	50
2	ME 2101	Engineering Materials	3	--	--	25	50	75
3	ME 2109	Auto Engineering-I	2	--	--	25	25	50
4	ME 2110	Farm Machinery-I	2	--	--	25	25	50
5	ME 2111	Maintenance of Farm Equipment	2	--	--	25	25	50
6	ME 2117	Workshop Technology-II	3	--	--	25	50	75
7	ME 2159	Auto Engineering-I Lab	--	--	6	150	--	150
8	ME 2160	Farm Machinery-I Lab	--	--	12	300	--	300
TOTAL			14	--	18	600	200	800

January to May (including examination)

SEMESTER-IV

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	ME 2203	Management & Costing	2	--	--	25	25	50
2	ME 2208	Auto Engineering-II	3	--	--	25	50	75
3	ME 2209	Farm Machinery-II	3	--	--	25	50	75
4	ME 2258	Auto Engineering-II Lab	--	--	6	150	--	150
5	ME 2259	Farm Machinery-II Lab	--	--	12	300	--	300
6	ME 2270	Project Work	--	--	6	150	--	150
		TOTAL	8	--	24	675	125	800

CERTIFICATE PROGRAMME IN COMPUTER APPLICATIONS (CCA)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1101	Applied Chemistry	3	1	--	25	75	100
2	AM 1101	Applied Mathematics-I	3	2	--	50	75	125
3	AP 1101	Applied Physics-I	3	1	--	25	75	100
4	CS 1101	Computer Fundamentals & IT	2	--	--	25	25	50
5	CS 1102	Introduction to Operating System	2	--	--	25	25	50
6	AC 1151	Applied Chemistry Lab	--	--	2	50	--	50
7	AP 1151	Applied Physics-I Lab	--	--	2	50	--	50
8	CS 1151	Computer Fundamentals & IT Lab	--	--	2	50	--	50
9	CS 1152	Introduction to Operating System Lab	--	--	2	50	--	50
10	EC 1153	Electronic & Electrical Workshop	--	--	4	100	--	100
11	ME 1152	Basic Engineering Drawing	--	--	3	75	--	75
TOTAL			13	4	15	525	275	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1201	Chemistry & Environment	2	1	--	25	50	75
2	AM 1201	Applied Mathematics-II	3	2	--	50	75	125
3	AP 1201	Applied Physics-II	3	1	--	25	75	100
4	EE 1201	Fundamentals of Electrical Engg.	2	1	--	25	50	75
5	HU 1201	Communication Skills	2	1	--	25	50	75
6	AC 1251	Chemistry Lab	--	--	2	50	--	50
7	AP 1251	Applied Physics-II Lab	--	--	2	50	--	50
8	CS 1252	Data Entry & Validation Lab	--	--	4	100	--	100
9	CS 1253	Office Automation Lab	--	--	4	100	--	100
10	EE 1251	Fundamentals of Electrical Engg. Lab	--	--	2	50	--	50
TOTAL			12	6	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	CS 2101	Principles of Digital Electronics	3	--	--	25	50	75
2	CS 2102	Desktop Publishing	2	--	--	25	25	50
3	CS 2103	Basics of Databases	2	1	--	25	50	75
4	CS 2104	System Installation	2	--	--	25	25	50
5	CS 2105	Trouble Shooting & Maintenance of Computers	2	--	--	25	25	50
6	CS 2151	Principles of Digital Electronics Lab	--	--	2	50	--	50
7	CS 2152	Desktop Publishing Lab	--	--	4	100	--	100
8	CS 2153	Database & Spreadsheets Lab	--	--	6	150	--	150
9	CS 2154	System Installation Lab	--	--	4	100	--	100
10	CS 2155	Trouble Shooting & Maintenance of Computers Lab	--	--	4	100	--	100
TOTAL			11	1	20	625	175	800

SEMESTER-IV January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	CS 2201	Computer Peripherals	3	--	--	25	50	75
2	CS 2202	Programming in C	3	1	--	25	75	100
3	CS 2203	Web Page Design	2	--	--	25	25	50
4	CS 2204	Internet Applications	3	--	--	25	50	75
5	HU 2201	Entrepreneurship Development Programme	2	--	--	25	25	50
6	CS 2251	Computer Peripherals Lab	--	--	2	50	--	50
7	CS 2252	Programming in C Lab	--	--	4	100	--	100
8	CS 2253	Web Page Design Lab	--	--	4	100	--	100
9	CS 2254	Internet Applications Lab	--	--	4	100	--	100
10	CS 2270	Project Wrok	--	--	4	100	--	100
		TOTAL	13	1	18	575	225	800

CERTIFICATE PROGRAMME IN FOOD TECHNOLOGY (CFT)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1102	Applied Chemistry	2	1	--	25	50	75
2	AM 1101	Applied Mathematics-I	3	2	--	50	75	125
3	AP 1102	Applied Physics-I	2	1	--	25	50	75
4	EM 1101	Fundamentals of General Engg	4	--	--	25	75	100
5	FT 1101	Introduction to Food Science & Tech.	2	1	--	25	50	75
6	AC 1152	Applied Chemistry Lab	--	--	3	75	--	75
7	AP 1152	Applied Physics-I Lab	--	--	3	75	--	75
8	CS 1151	Computer Fundamentals & IT Lab	--	--	2	50	--	50
9	EM 1151	Fundamentals of Gen. Engg. Lab	--	--	4	100	--	100
10	FT 1151	Introduction to Food Science & Tech. Lab	--	--	2	50	--	50
TOTAL			13	5	14	500	300	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1202	Chemistry & Environment	2	1	--	25	50	75
2	AM 1201	Applied Mathematics-II	3	2	--	50	75	125
3	AP 1202	Applied Physics-II	2	1	--	25	50	75
4	FT 1201	Post Harvest Technology	2	1	--	25	50	75
5	HU 1201	Communication Skills	2	1	--	25	50	75
6	AC 1252	Chemistry Lab	--	--	3	75	--	75
7	AP 1252	Applied Physics-II Lab	--	--	3	75	--	75
8	FT 1251	Post Harvest Technology Lab	--	--	2	50	--	50
9	ME 1251	Engineering Drawing Lab	--	--	3	75	--	75
10	WS 1251	Workshop Practice	--	--	4	100	--	100
TOTAL			11	6	15	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	FT 2101	Principles of Food Processing & Preservation	2	1	--	25	50	75
2	FT 2102	Technology of Fruits & Vegetables	2	1	--	25	50	75
3	FT 2103	Technology of Milk & Milk Products	2	1	--	25	50	75
4	FT 2104	Elementary Food Analysis	2	1	--	25	50	75
5	HU 2101	Entrepreneurship Development Programme	2	--	--	25	25	50
6	FT 2151	Principles of Food Processing & Preservation Lab	--	--	3	75	--	75
7	FT 2152	Technology of Fruits & Vegetables Lab	--	--	3	75	--	75
8	FT 2153	Technology of Milk & Milk Products Lab	--	--	3	75	--	75
9	FT 2154	Elementary Food Analysis Lab	--	--	3	75	--	75
10	FT 2155	Computer Application in Food Tech Lab	--	--	6	150	--	150
TOTAL			10	4	18	575	225	800

SEMESTER-IV January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	FT 2201	Fundamentals of Microbiology	2	1	--	25	50	75
2	FT 2202	Food Grain Process Tech.	3	1	--	25	75	100
3	FT 2203	Food Beverages	2	1	--	25	50	75
4	FT 2204	Bakery & Confectionary Tech.	3	1	--	25	75	100
5	FT 2205	Tech. of Meat, Fish & Poultry	2	1	--	25	50	75
6	FT 2251	Fundamentals of Microbiology Lab	--	--	3	75	--	75
7	FT 2252	Food Grain Process Tech. Lab	--	--	3	75	--	75
8	FT 2253	Food Beverages Lab	--	--	3	75	--	75
9	FT 2254	Bakery & Confectionary Tech. Lab	--	--	3	75	--	75
10	FT 2255	Tech. of Meat, Fish & Poultry Lab	--	--	3	75	--	75
		TOTAL	12	5	15	500	300	800

CERTIFICATE PROGRAMME IN FOUNDRY & FORGING (CFF)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1101	Applied Chemistry	3	1	--	25	75	100
2	AM 1101	Applied Mathematics-I	3	2	--	50	75	125
3	AP 1101	Applied Physics-I	3	1	--	25	75	100
4	HU 1101	Communication Skills	2	1	--	25	50	75
5	ME 1101	Workshop Technology-I	2	--	--	25	25	50
6	AC 1151	Applied Chemistry Lab	--	--	2	50	--	50
7	AP 1151	Applied Physics-I Lab	--	--	2	50	--	50
8	ME 1151	Engineering Drawing	--	--	4	100	--	100
9	WS 1151	Workshop Practice	--	--	6	150	--	150
TOTAL			13	5	14	500	300	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1201	Chemistry & Environment	2	1	--	25	50	75
2	AM 1201	Applied Mathematics-II	3	2	--	50	75	125
3	AP 1201	Applied Physics-II	3	1	--	25	75	100
4	EE 1201	Fundamentals of Electrical Engg.	2	1	--	25	50	75
5	ME 1202	Basic Thermodynamics	2	1	--	25	50	75
6	AC 1251	Chemistry Lab	--	--	2	50	--	50
7	AP 1251	Applied Physics-II Lab	--	--	2	50	--	50
8	CS 1251	Computer Fundamentals & IT Lab	--	--	2	50	--	50
9	EE 1251	Fundamentals of Electrical Engg. Lab	--	--	2	50	--	50
10	ME 1252	Basic Thermodynamics Lab	--	--	2	50	--	50
11	ME 1253	Technical Drawing	--	--	4	100	--	100
TOTAL			12	6	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 2101	Entrepreneurship Development Programme	2	--	--	25	25	50
2	ME 2101	Engineering Materials	3	--	--	25	50	75
3	ME 2112	Foundry Technology-I	2	--	--	25	25	50
4	ME 2117	Workshop Technology-II	3	--	--	25	50	75
5	ME 2121	Forging Technology-I	2	--	--	25	25	50
6	ME 2171	Forging Practice-I	--	--	6	150	--	150
7	ME 2163	Sand Testing Lab	--	--	2	50	--	50
8	WS 2162	Foundry Practice-I	--	--	12	300	--	300
TOTAL			12	--	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 2210	Foundry Technology-II	3	--	--	25	50	75
2	ME 2211	Forging Technology-II	3	--	--	25	50	75
3	ME 2212	Inspection & Quality Control	2	--	--	25	25	50
4	ME 2213	Repair & Maintenance	2	--	--	25	25	50
5	ME 2270	Project Work	--	--	6	150	--	150
6	WS2254	Forging Practice-II	--	--	4	100	--	100
7	WS2255	Foundry Practice-II	--	--	12	300	--	300
		TOTAL	10	--	22	650	150	800

CERTIFICATE PROGRAMME IN MAINTANANCE OF ELECTRICAL EQUIPMENTS (CMEE)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1101	Applied Chemistry	3	1	--	25	75	100
2	AM 1101	Applied Mathematics-I	3	2	--	50	75	125
3	AP 1101	Applied Physics-I	3	1	--	25	75	100
4	EE 1101	Fundamentals of Electrical Engg.	2	1	--	25	50	75
5	IE 1102	Basic Electronics Engineering	2	--	--	25	25	50
6	AC 1151	Applied Chemistry Lab	--	--	2	50	--	50
7	AP 1151	Applied Physics-I Lab	--	--	2	50	--	50
8	CS 1151	Computer Fundamentals & IT Lab	--	--	2	50	--	50
9	EE 1151	Fundamentals of Electrical Engg. Lab	--	--	2	50	--	50
10	IE 1152	Basic Electronics Engineering Lab	--	--	2	50	--	50
11	ME 1153	Basic Engineering Drawing	--	--	4	100	--	100
TOTAL			13	5	14	500	300	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1201	Chemistry & Environment	2	1	--	25	50	75
2	AM 1201	Applied Mathematics-II	3	2	--	50	75	125
3	AP 1201	Applied Physics-II	3	1	--	25	75	100
4	EE 1202	Electrical Measurements & Instrumentation-I	3	--	--	25	50	75
5	HU 1201	Communication Skills	2	1	--	25	50	75
6	AC 1251	Chemistry Lab	--	--	2	50	--	50
7	AP 1251	Applied Physics-II Lab	--	--	2	50	--	50
8	EE 1252	Electrical Measurements & Instrumentation-I Lab	--	--	2	50	--	50
9	EE 1253	Electrical Drawing	--	--	4	100	--	100
10	WS 1251	Workshop Practice	--	--	4	100	--	100
TOTAL			13	5	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	EE 2101	Electrical Machines-I	3	1	--	25	75	100
2	EE 2102	Electrical Power Systems	3	1	--	25	75	100
3	EE 2103	Analog & Digital Electronics	3	1	--	25	75	100
4	EE 2104	Electrical Estimation & Costing	3	1	--	25	75	100
5	EE 2151	Electrical Machines-I Lab	--	--	2	50	--	50
6	EE 2152	Electrical Power Systems Lab	--	--	2	50	--	50
7	EE 2153	Analog & Digital Electronics Lab	--	--	4	100	--	100
8	EE 2155	Electrical Workshop Practice	--	--	8	200	--	200
TOTAL			12	4	16	500	300	800

SEMESTER-IV January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	EE 2201	Electrical Measurements & Instrumentation-II	2	--	--	25	25	50
2	EE 2202	Non-Conventional Energy Sources	2	--	--	25	25	50
3	EE 2203	Electrical Machines-II	2	--	--	25	25	50
4	HU 2201	Entrepreneurship Development Programme	2	--	--	25	25	50
5	CS 2256	Computer Applications Lab	--	--	4	100	--	100
6	EE 2251	Electrical Measurements & Instrumentation-II Lab	--	--	2	50	--	50
7	EE 2252	Non-Conventional Energy Sources Lab	--	--	2	50	--	50
8	EE 2253	Electrical Machines-II Lab	--	--	2	50	--	50
9	EE 2254	Troubleshooting of Electrical Equipements	--	--	6	150	--	150
10	EE 2270	Fabrication & Project Work	--	--	8	200	--	200
		TOTAL	8	--	24	700	100	800

CERTIFICATE PROGRAMME IN PAPER & PRINTING TECHNOLOGY (CPPT)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1102	Applied Chemistry	2	1	--	25	50	75
2	AM 1101	Applied Mathematics-I	3	2	--	50	75	125
3	AP 1102	Applied Physics-I	2	1	--	25	50	75
4	CH 1101	Introduction to Paper and Printing Tech.	2	1	--	25	50	75
5	CH 1102	Basic Calculations In Process Industry	2	1	--	25	50	75
6	EE 1102	Basic Electrical & Electronics Engg.	2	1	--	25	50	75
7	AC 1152	Applied Chemistry Lab	--	--	3	75	--	75
8	AP 1152	Applied Physics-I Lab	--	--	3	75	--	75
9	CH 1151	Paper and Printing Tech. Lab	--	--	2	50	--	50
10	CS 1151	Computer Fundamentals & IT Lab	--	--	2	50	--	50
11	EE 1152	Basic Electrical & Electronics Engg. Lab	--	--	2	50	--	50
TOTAL			13	7	12	475	325	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1202	Chemistry & Environment	2	1	--	25	50	75
2	AM 1201	Applied Mathematics-II	3	2	--	50	75	125
3	AP 1202	Applied Physics-II	2	1	--	25	50	75
4	CH 1202	Unit Operations-I	2	1	--	25	50	75
5	HU 1201	Communication Skills	2	1	--	25	50	75
6	AC 1252	Chemistry Lab	--	--	3	75	--	75
7	AP 1252	Applied Physics-II Lab	--	--	3	75	--	75
8	CH 1251	Process Engineering Drawing	--	--	3	75	--	75
9	CH 1252	Unit Operation-I Lab	--	--	2	50	--	50
10	WS 1251	Workshop Practice	--	--	4	100	--	100
TOTAL			11	6	15	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	CH 2101	Unit Operations-II	2	1	--	25	50	75
2	CH 2102	Fluid Handling & Transportation	2	1	--	25	50	75
3	CH 2103	Printing Technology-I	2	1	--	25	50	75
4	CH 2104	Pulping & Bleaching Technology	2	1	--	25	50	75
5	CH 2105	Instrumentation In Paper & Printing Technology	2	1	--	25	50	75
6	CH 2151	Unit Operation-II Lab	--	--	4	100	--	100
7	CH 2152	Fluid Handling & Transportation Lab	--	--	2	50	--	50
8	CH 2153	Printing Technology-I Lab	--	--	4	100	--	100
9	CH 2154	Pulping & Bleaching Technology Lab	--	--	4	100	--	100
10	CH 2155	Instrumentation In Paper & Printing Technology Lab	--	--	3	75	--	75
TOTAL			10	5	17	550	250	800

SEMESTER-IV January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	CH 2201	Pulp Washing & Chemical Recovery	2	1	--	25	50	75
2	CH 2202	Stock Preparation & Paper Making	2	1	--	25	50	75
3	CH 2203	Printing Technology-II	2	1	--	25	50	75
4	HU 2201	Entrepreneurship Development Programme	2	--	--	25	25	50
5	CH 2251	Pulp Washing & Chemical Recovery Lab	--	--	3	75	--	75
6	CH 2252	Stock Preparation & Paper Making Lab	--	--	4	100	--	100
7	CH 2253	Printing Technology-II Lab	--	--	4	100	--	100
8	CH 2254	Testing & Quality Control. Lab	--	--	4	100	--	100
9	CH 2270	Project/Seminar	--	--	6	150	--	150
		TOTAL	8	3	21	625	175	800

CERTIFICATE PROGRAMME IN SERVICING & MAINT. OF ELECTRONICS INSTRUMENTS (CSME)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1101	Applied Chemistry	3	1	--	25	75	100
2	AM 1101	Applied Mathematics-I	3	2	--	50	75	125
3	AP 1101	Applied Physics-I	3	1	--	25	75	100
4	EC 1101	Electronic Devices & Components	3	--	--	25	50	75
5	EE 1101	Fundamentals of Electrical Engg.	2	1	--	25	50	75
6	AC 1151	Applied Chemistry Lab	--	--	2	50	--	50
7	AP 1151	Applied Physics-I Lab	--	--	2	50	--	50
8	CS 1151	Computer Fundamentals & IT Lab	--	--	2	50	--	50
9	EC 1151	Electronic Devices & Components Lab	--	--	2	50	--	50
10	EC 1152	Electronic Workshop Practice	--	--	3	75	--	75
11	EE 1151	Fundamentals of Electrical Engg. Lab	--	--	2	50	--	50
TOTAL			14	5	13	475	325	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1201	Chemistry & Environment	2	1	--	25	50	75
2	AM 1201	Applied Mathematics-II	3	2	--	50	75	125
3	AP 1201	Applied Physics-II	3	1	--	25	75	100
4	EC 1201	Electronic Circuits	3	--	--	25	50	75
5	HU 1201	Communication Skills	2	1	--	25	50	75
6	AC 1251	Chemistry Lab	--	--	2	50	--	50
7	AP 1251	Applied Physics-II Lab	--	--	2	50	--	50
8	EC 1251	Electronic Circuits Lab	--	--	3	75	--	75
9	ME 1251	Engineering Drawing	--	--	3	75	--	75
10	WS 1251	Workshop Practice	--	--	4	100	--	100
TOTAL			13	5	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	EC 2101	Elements of Digital Electronics	3	--	--	25	50	75
2	EC 2102	Integrated Circuits	3	--	--	25	50	75
3	EC 2103	Fundamentals of Radio & Television	3	--	--	25	50	75
4	EC 2104	Electronic Measurements & Instrumentation	3	--	--	25	50	75
5	EC 2151	Elements of Digital Electronics Lab	--	--	4	100	--	100
6	EC 2152	Integrated Circuits Lab	--	--	4	100	--	100
7	EC 2153	Fundamentals of Radio & Television Lab	--	--	4	100	--	100
8	EC 2154	Electronic Measurements & Instrumentation Lab	--	--	2	50	--	50
9	EC 2155	Trouble Shooting and Testing of Electronic Equipment-I	--	--	6	150	--	150
TOTAL			12	--	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 2201	Industrial Electronics	3	--	--	25	50	75
2	EC 2202	Introducation to Transducers	2	--	--	25	25	50
3	EC 2203	Consumer Electronics	3	--	--	25	50	75
4	HU 2201	Entrepreneurship Development Programme	2	--	--	25	25	50
5	EC 2251	Industrial Electronics Lab	--	--	4	100	--	100
6	EC 2252	Introducation to Transducers Lab	--	--	2	50	--	50
7	EC 2253	Consumer Electronics Lab	--	--	6	150	--	150
8	EC 2257	Trouble Shooting and Testing of Electronic Equipment-II	--	--	6	150	--	150
9	EC 2270	Project Work	--	--	4	100	--	100
		TOTAL	10	--	22	650	150	800

CERTIFICATE PROGRAMME IN SERVICING & MAINTENANCE OF MEDICAL INSTRUMENTS (CSMM)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1101	Applied Chemistry	3	1	--	25	75	100
2	AM 1101	Applied Mathematics-I	3	2	--	50	75	125
3	AP 1101	Applied Physics-I	3	1	--	25	75	100
4	EE 1101	Fundamentals of Electrical Engg.	2	1	--	25	50	75
5	IE 1101	Basic Electronics Engineering & Electrical Circuits	3	1	--	25	75	100
6	AC 1151	Applied Chemistry Lab	--	--	2	50	--	50
7	AP 1151	Applied Physics-I Lab	--	--	2	50	--	50
8	CS 1151	Computer Fundamentals & IT Lab	--	--	2	50	--	50
9	EE 1151	Fundamentals of Electrical Engg. Lab	--	--	2	50	--	50
10	IE 1151	Basic Electronics Engineering & Electrical Circuits Lab	--	--	4	100	--	100
TOTAL			14	6	12	450	350	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1201	Chemistry & Environment	2	1	--	25	50	75
2	AM 1201	Applied Mathematics-II	3	2	--	50	75	125
3	AP 1201	Applied Physics-II	3	1	--	25	75	100
4	HU 1201	Communication Skills	2	1	--	25	50	75
5	IE 1201	Electrical Measurements & Instrumentation	2	--	--	25	25	50
6	AC 1251	Chemistry Lab	--	--	2	50	--	50
7	AP 1251	Applied Physics-II Lab	--	--	2	50	--	50
8	IE 1251	Electrical Measurements & Instrumentation Lab	--	--	4	100	--	100
9	ME 1251	Engineering Drawing	--	--	3	75	--	75
10	WS 1251	Workshop Practice	--	--	4	100	--	100
TOTAL			12	5	15	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	IE 2101	Human Physiology	2	1	--	25	50	75
2	IE 2102	Analytical Instrumentation	2	1	--	25	50	75
3	IE 2103	Sensors & Transducers	2	1	--	25	50	75
4	IE 2104	Bio Medical Equipment & Signal Measurement	2	1	--	25	50	75
5	IE 2152	Analytical Instrumentation Lab	--	--	4	100	--	100
6	IE 2153	Sensors & Transducers Lab	--	--	4	100	--	100
7	IE 2154	Bio Medical Equipment & Signal Measurement Lab	--	--	4	100	--	100
8	IE 2155	PCB Fabrication Lab	--	--	8	200	--	200
TOTAL			8	4	20	600	200	800

SEMESTER-IV January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	HU 2201	Entrepreneurship Development Programme	2	--	--	25	25	50
2	IE 2201	Integrated Circuits	2	--	--	25	25	50
3	IE 2202	Digital Electronics	2	1	--	25	50	75
4	IE 2203	Maintenance of Biomedical Equipment	2	1	--	25	50	75
5	CS 2256	Computer Applications Lab	--	--	4	100	--	100
6	IE 2251	Integrated Circuits Lab	--	--	2	50	--	50
7	IE 2252	Digital Electronics Lab	--	--	2	50	--	50
8	IE 2253	Maintenance of Biomedical Equipment Lab	--	--	4	100	--	100
9	IE 2254	Fault Finding & Troubleshooting of Medical Equipment	--	--	4	100	--	100
10	IE 2270	Project and Fabrication Lab	--	--	6	150	--	150
		TOTAL	8	2	22	650	150	800

CERTIFICATE PROGRAMME IN TOOL & DIE TECHNOLOGY (CTD)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1101	Applied Chemistry	3	1	--	25	75	100
2	AM 1101	Applied Mathematics-I	3	2	--	50	75	125
3	AP 1101	Applied Physics-I	3	1	--	25	75	100
4	HU 1101	Communication Skills	2	1	--	25	50	75
5	ME 1101	Workshop Technology-I	2	--	--	25	25	50
6	AC 1151	Applied Chemistry Lab	--	--	2	50	--	50
7	AP 1151	Applied Physics-I Lab	--	--	2	50	--	50
8	ME 1151	Engineering Drawing	--	--	4	100	--	100
9	WS 1151	Workshop Practice	--	--	6	150	--	150
TOTAL			13	5	14	500	300	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1201	Chemistry & Environment	2	1	--	25	50	75
2	AM 1201	Applied Mathematics-II	3	2	--	50	75	125
3	AP 1201	Applied Physics-II	3	1	--	25	75	100
4	EE 1201	Fundamentals of Electrical Engg.	2	1	--	25	50	75
5	ME 1202	Basic Thermodynamics	2	1	--	25	50	75
6	AC 1251	Chemistry Lab	--	--	2	50	--	50
7	AP 1251	Applied Physics-II Lab	--	--	2	50	--	50
8	CS 1251	Computer Fundamentals & IT Lab	--	--	2	50	--	50
9	EE 1251	Fundamentals of Electrical Engg. Lab	--	--	2	50	--	50
10	ME 1252	Basic Thermodynamics Lab	--	--	2	50	--	50
11	ME 1253	Technical Drawing	--	--	4	100	--	100
TOTAL			12	6	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 2101	Entrepreneurship Development Programme	2	--	--	25	25	50
2	ME 2101	Engineering Materials	3	--	--	25	50	75
3	ME 2104	Tool Room Techniques-I	3	--	--	25	50	75
4	ME 2105	Tool Engineering	2	--	--	25	25	50
5	ME 2117	Workshop Technology-II	3	--	--	25	50	75
6	ME 2155	Tool Drawing	--	--	4	100	--	100
7	ME 2154	Tool Room Practice-I	--	--	9	225	--	225
8	ME 2157	Machine Shop Practice-I	--	--	6	150	--	150
TOTAL			13	--	19	600	200	800

SEMESTER-IV January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	ME 2204	Tool Room Techniques-II	3	--	--	25	50	75
2	ME 2205	Tool & Die Technology	2	--	--	25	25	50
3	ME 2206	Principles of Metrology	2	--	--	25	25	50
4	ME 2207	Finishing Operations	2	--	--	25	25	50
5	ME 2256	Metrology Lab	--	--	2	50	--	50
6	ME 2270	Project Work	--	--	6	150	--	150
7	WS2252	Tool Room Practice-II	--	--	9	225	--	225
8	WS 2253	Machine Shop Practice-II	--	--	6	150	--	150
		TOTAL	9	--	23	675	125	800

CERTIFICATE PROGRAMME IN MAINTENANCE OF TELEVISION (CTV)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1101	Applied Chemistry	3	1	--	25	75	100
2	AM 1101	Applied Mathematics-I	3	2	--	50	75	125
3	AP 1101	Applied Physics-I	3	1	--	25	75	100
4	EC 1101	Electronic Devices & Components	3	--	--	25	50	75
5	EE 1101	Fundamentals of Electrical Engg.	2	1	--	25	50	75
6	AC 1151	Applied Chemistry Lab	--	--	2	50	--	50
7	AP 1151	Applied Physics-I Lab	--	--	2	50	--	50
8	CS 1151	Computer Fundamentals & IT Lab	--	--	2	50	--	50
9	EC 1151	Electronic Devices & Components Lab	--	--	2	50	--	50
10	EC 1152	Electronic Workshop Practice	--	--	3	75	--	75
11	EE 1151	Fundamentals of Electrical Engg. Lab	--	--	2	50	--	50
TOTAL			14	5	13	475	325	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1201	Chemistry & Environment	2	1	--	25	50	75
2	AM 1201	Applied Mathematics-II	3	2	--	50	75	125
3	AP 1201	Applied Physics-II	3	1	--	25	75	100
4	EC 1201	Electronic Circuits	3	--	--	25	50	75
5	HU 1201	Communication Skills	2	1	--	25	50	75
6	AC 1251	Chemistry Lab	--	--	2	50	--	50
7	AP 1251	Applied Physics-II Lab	--	--	2	50	--	50
8	EC 1251	Electronic Circuits Lab	--	--	3	75	--	75
9	ME 1251	Engineering Drawing	--	--	3	75	--	75
10	WS 1251	Workshop Practice	--	--	4	100	--	100
TOTAL			13	5	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	EC 2101	Elements of Digital Electronics	3	--	--	25	50	75
2	EC 2102	Integrated Circuits	3	--	--	25	50	75
3	EC 2103	Fundamentals of Radio & Television	3	--	--	25	50	75
4	EC 2104	Electronic Measurements & Instrumentation	3	--	--	25	50	75
5	EC 2151	Elements of Digital Electronics Lab	--	--	4	100	--	100
6	EC 2152	Integrated Circuits Lab	--	--	4	100	--	100
7	EC 2153	Fundamentals of Radio & Television Lab	--	--	4	100	--	100
8	EC 2154	Electronic Measurements & Instrumentation Lab	--	--	2	50	--	50
9	EC 2156	Trouble Shooting and Testing of Electronic Equipment	--	--	6	150	--	150
TOTAL			12	--	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 2201	Industrial Electronics	3	--	--	25	50	75
2	EC 2204	Television Engineering	3	--	--	25	50	75
3	EC 2205	Audio Video Systems	2	--	--	25	25	50
4	HU 2201	Entrepreneurship Development Programme	2	--	--	25	25	50
5	EC 2251	Industrial Electronics Lab	--	--	4	100	--	100
6	EC 2254	Television Engineering Lab	--	--	4	100	--	100
7	EC 2255	Audio Video Systems Lab	--	--	4	100	--	100
8	EC 2256	Trouble Shooting of Television & Audio Video System	--	--	6	150	--	150
9	EC 2270	Project Work	--	--	4	100	--	100
		TOTAL	10	--	22	650	150	800

CERTIFICATE PROGRAMME IN WELDING TECHNOLOGY (CWG)

SEMESTER-I August to December (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1101	Applied Chemistry	3	1	--	25	75	100
2	AM 1101	Applied Mathematics-I	3	2	--	50	75	125
3	AP 1101	Applied Physics-I	3	1	--	25	75	100
4	HU 1101	Communication Skills	2	1	--	25	50	75
5	ME 1101	Workshop Technology-I	2	--	--	25	25	50
6	AC 1151	Applied Chemistry Lab	--	--	2	50	--	50
7	AP 1151	Applied Physics-I Lab	--	--	2	50	--	50
8	ME 1151	Engineering Drawing	--	--	4	100	--	100
9	WS 1151	Workshop Practice	--	--	6	150	--	150
TOTAL			13	5	14	500	300	800

SEMESTER-II January to May (including examination)

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	AC 1201	Chemistry & Environment	2	1	--	25	50	75
2	AM 1201	Applied Mathematics-II	3	2	--	50	75	125
3	AP 1201	Applied Physics-II	3	1	--	25	75	100
4	EE 1201	Fundamentals of Electrical Engg.	2	1	--	25	50	75
5	ME 1202	Basic Thermodynamics	2	1	--	25	50	75
6	AC 1251	Chemistry Lab	--	--	2	50	--	50
7	AP 1251	Applied Physics-II Lab	--	--	2	50	--	50
8	CS 1251	Computer Fundamentals & IT Lab	--	--	2	50	--	50
9	EE 1251	Fundamentals of Electrical Engg. Lab	--	--	2	50	--	50
10	ME 1252	Basic Thermodynamics Lab	--	--	2	50	--	50
11	ME 1253	Technical Drawing	--	--	4	100	--	100
TOTAL			12	6	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 2101	Entrepreneurship Development Programme	2	--	--	25	25	50
2	ME 2101	Engineering Materials	3	--	--	25	50	75
3	ME 2102	Welding Technology-I	3	--	--	25	50	75
4	ME 2103	Repair & Maintenance of Welding Equipments	2	--	--	25	25	50
5	ME 2117	Workshop Technology-II	3	--	--	25	50	75
6	WS 2153	Repair & Maintenance of Welding Equipments Lab	--	--	4	100	--	100
7	WS 2158	Welding Practice-I	--	--	15	375	--	375
TOTAL			13	--	19	600	200	800

SEMESTER- January to May (including examination)
IV

SN	SUB CODE	SUBJECT NAME	L	T	P	Sessnl.	Th. Exam	Total
1	ME 2201	Welding Technology-II	3	1	--	25	75	100
2	ME 2202	Inspection & Testing of Weldments	2	--	--	25	25	50
3	ME 2203	Management & Costing	2	--	--	25	25	50
4	ME 2252	Non Destructive Testing Lab	--	--	2	50	--	50
5	ME 2251	Advanced Welding Lab	--	--	4	100	--	100
6	ME 2270	Project Work	--	--	6	150	--	150
7	WS 2251	Welding Practice-II	--	--	12	300	--	300
		TOTAL	7	1	24	675	125	800