

**DIPLOMA (ICD) IN CHEMICAL TECHNOLOGY
&
CERTIFICATE IN PAPER TECHNOLOGY**

Semester-I (ICD)							
S.N	Sub	Subject Name	L	T	P	Hrs.	Credit
1	AM-111	Mathematics- I	4	1	0	5	5
2	PH-111	Physics-I	4	0	2	6	5
3	CY-111	Chemistry-I	4	0	2	6	5
4	HU-111	Communication Skills-I	2	0	0	2	2
5	WS-112	Workshop Practice	0	0	4	4	2
6	ME-111	Engineering Drawing	0	0	4	4	2
7	CH-111	Pulping & Bleaching Technology	2	0	2	4	3
Total			16	1	14	31	24
Semester-II (ICD)							
S.N	Sub	Subject Name	L	T	P	Hrs.	Credit
1	AM-121	Mathematics- II	4	1	0	5	5
2	PH-121	Physics-II	4	0	2	6	5
3	CY-121	Chemistry-II	4	0	2	6	5
4	HU-121	Communication Skills-II	1	0	2	3	2
5	CH-121	Unit Operation Lab	0	0	4	4	2
6	CH-122	Introduction of Paper Technology Lab	0	0	4	4	2
7	CS-121	Computer Fundamentals	3	0	2	5	4
Total			16	1	16	33	25
Semester-III A (ICD)							
	TP-201	Two Weeks Practical Training during summer				80	S/US
Semester-III B (ICD)							
S.N	Sub	Subject Name	L	T	P	Hrs.	Credit
1	AM-211	Applied Mathematics	3	1	0	4	4
2	CH-211	Fluid Flow	3	1	0	4	4
3	CH-212	Pulp Washing & Chemical Recovery	3	1	4	8	6
4	CH-214	Paper Testing & Quality Control Lab	0	0	4	4	2
5	CH-215	Chemical Engg. Thermodynamics	3	2	0	5	5
6	CH-216	Mechanical Operation	3	1	0	4	4
Total			15	6	8	29	25
Semester-IV (ICD)							
S.N	Sub	Subject Name	L	T	P	Hrs.	Credit
1	CH-221	Heat Transfer	3	2	4	9	7
2	EE-221	Fundamental of Electrical Engineering	3	0	2	5	4
3	EC-221	Fundamentals of Electronics Engineering	3	0	2	5	4
4	CH-223	Stock Preparation & Paper Making	3	2	0	5	5
5	CH-225	Paper Making Lab	0	0	4	4	2
6	MC-221	Moral values and Professional ethics	1	0	0	1	0
Total			13	4	12	29	22
Semester-V A (ICD)							
	TP-301	Four Weeks Industrial Training during				160	
Semester-V B (ICD)							
S.N	Sub	Subject Name	L	T	P	Hrs.	Credits
1	CH-311	Process Instrumentation	3	0	4	7	5
2	CH-312	Mass Transfer	3	1	0	4	4
3	CH-313	Chemical Reaction Engineering	3	2	4	9	7
4	CH-314	Industrial Stoichiometry	3	2	0	5	5
5	CH-315	Alternate Energy Sources	3	1	0	4	4
5	TP-301E	Industrial Training					S/US
Total			15	6	8	29	25
Semester-VI (ICD)							
S.N	Sub	Subject Name	L	T	P	Hrs.	Credits
1	HU-321	Entrepreneurship	2	0	0	2	2
2	MC-321	Environmental Studies	2	0	0	2	2
3	CH-321	Chemical Process Industries	3	2	0	5	5
4	CH-322	Petroleum Technology	3	1	4	8	6
5	CH-333	Process Equipment Design	1	1	4	6	4
6	CH-335	Project	0	0	4	4	2
Total			11	4	12	27	21