



COURSE SCHEME

DIPLOMA CE 2019-2022

SEMESTER I

S. No	CODE	COURSE TITLE	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Assignment	TA	Total	ESE		
1	9D.103	Basic Mathematics I	3	0	0	20	10	30	70	100	3
2	9D.106	Basic Physics I	3	0	0	20	10	30	70	100	3
3	9D.104	Basic Chemistry	3	0	0	20	10	30	70	100	3
4	9D.102	Computer fundamental	2	0	0	20	10	30	70	100	2
5	40D.101	Life Skills I	2	0	0	20	10	30	70	100	2

PRACTICAL /SESSIONAL

1	9DP.106	Basic Physics Lab	0	0	2			30	20	50	1
2	9DP.104	Basic Chemistry Lab	0	0	2			30	20	50	1
3	9DP.107	Workshop Practice I	0	0	4			30	20	50	2
4	9DP.102	Computer fundamental Lab	0	0	2			30	20	50	1
5	9DP.105	Basic Engineering Graphics	0	0	4			30	20	50	2
									TOTAL	750	20

SEMESTER II

S. No	CODE	COURSE TITLE	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Assignment	TA	Total	ESE		
1	9D.154	Basic Mathematics II	3	0	0	20	10	30	70	100	3
2	9D.151	Basic Physics II	3	0	0	20	10	30	70	100	3
3	9D.152	Environmental Studies	3	0	0	20	10	30	70	100	3
4	9D.153	Engineering Mechanics	3	0	0	20	10	30	70	100	3
5	9D.155	Basic Electrical & Electronics Engineer	3	0	0	20	10	30	70	100	3
6	40D.151	Life Skills II	2	0	0	20	10	30	70	100	2

PRACTICAL /SESSIONAL

1	9DP.151	Basic Physics II Lab	0	0	2			30	20	50	1
2	9DP.153	Engineering Mechanics Lab	0	0	2			30	20	50	1
3	9DP.155	Basic Electrical & Electronics Engg. La	0	0	2			30	20	50	1
4	9DP.156	Workshop Practice II	0	0	4			30	20	50	2
									TOTAL	800	22

SEMESTER III											
S. No	CODE	COURSE TITLE	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Assignment	TA	Total	ESE		
1	9D.204	Applied Mathematics	3	0	0	20	10	30	70	100	3
2	7D.205	Strength of Material	3	0	0	20	10	30	70	100	3
3	5AD.201	Fluid Mechanics	3	0	0	20	10	30	70	100	3
4	5AD.202	Construction Technology	3	0	0	20	10	30	70	100	3
5	5AD.203	Surveying	3	0	0	20	10	30	70	100	3
6	40D.201	Communication & Soft Skills	2	0	0	20	10	30	70	100	2
7	40D.101	Life Skills I***	2	0	0	20	10	30	70	100	0
8	14D.201	**Disaster Management	3	0	0	20	10	30	70	100	0
PRACTICAL /SESSIONAL											
1	7DP.205	Strength of Material Lab	0	0	2			30	20	50	1
2	5ADP.201	Fluid Mechanics Lab	0	0	2			30	20	50	1
3	5ADP.203	Surveying Field Work I Lab	0	0	2			30	20	50	1
								TOTAL	950	20	

SEMESTER IV											
S. No	CODE	COURSE TITLE	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Assignment	TA	Total	ESE		
1	5AD.251	Advance Surveying	3	0	0	20	10	30	70	100	3
2	5AD.253	Geo Technical Engineering	3	0	0	20	10	30	70	100	3
3	5AD.254	Transportation I	3	0	0	20	10	30	70	100	3
4	5AD.255	Hydraulics	3	0	0	20	10	30	70	100	3
5	5AD.256	Concrete Technology	3	0	0	20	10	30	70	100	3
6	40D.401	Professional Skills	2	0	0	20	10	30	70	100	2
7	40D.151	Life Skills II ***	2	0	0	20	10	30	70	100	0
PRACTICAL /SESSIONAL											
1	5ADP.251	Surveying Field Work II	0	0	2			30	20	50	1
2	5ADP.253	Geo Technical Engineering Lab	0	0	2			30	20	50	1
3	5ADP.254	Transportation I Lab	0	0	2			30	20	50	1
4	5ADP.255	Hydraulics Lab	0	0	2			30	20	50	1
5	5ADP.256	Concrete Technology Lab	0	0	2			30	20	50	1
								TOTAL	950	22	

SEMESTER V											
S. No	CODE	COURSE TITLE	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Assignment	TA	Total	ESE		
1	5AD.302	Civil Estimation & Costing	3	0	0	20	10	30	70	100	3
2	5AD.303	Theory of Structure	3	0	0	20	10	30	70	100	3
3	5AD.304	Transportation II	3	0	0	20	10	30	70	100	3
4	5AD.305	Design of Steel Structure	3	0	0	20	10	30	70	100	3
5	40D.401	**Seminar in Executive Communication	2	0	0	20	10	30	20	50	0
DEPARTMENTAL ELECTIVE (Choose Any one from the followings)											
6	5AD.325	Irrigation Engg.	3	0	0	20	10	30	70	100	3
	5AD.321	Quantity surveying	3	0	0	20	10	30	70	100	3
	5AD.322	River Engineering and Flood Control	3	0	0	20	10	30	70	100	3
	5AD.323	Water Supply & Sanitary Engineering	3	0	0	20	10	30	70	100	3
	5AD.324	Waste Management	3	0	0	20	10	30	70	100	3
PRACTICAL /SESSIONAL											
1	5ADP.302	Civil Estimating & Costing Lab	0	0	2			30	20	50	1
2	5ADP.303	Theory of Structure Lab	0	0	2			30	20	50	1
3	5ADP.305	Design of Steel Structure Lab	0	0	2			30	20	50	1
									TOTAL	700	18

SEMESTER VI											
S. No	CODE	COURSE TITLE	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Assignment	TA	Total	ESE		
1	5AD.352	Contracts and Accounts	3	0	0	20	10	30	70	100	3
2	5AD.353	Environment Engineering	3	0	0	20	10	30	70	100	3
3	5AD.354	Design of RCC Structures	3	0	0	20	10	30	70	100	3
4	40D.451	**Human Values And Ethics	2	0	0	20	10	30	20	50	0
DEPARTMENTAL ELECTIVE (Choose Any one from the followings)											
5	7D.351	Principles of Management	3	0	0	20	10	30	70	100	3
	5AD.381	GIS	3	0	0	20	10	30	70	100	3
	5AD.382	Green Building	3	0	0	20	10	30	70	100	3
	5AD.383	Watershed Management	3	0	0	20	10	30	70	100	3
PRACTICAL /SESSIONAL											
1	5ADP.353	Environment Engineering Lab	0	0	2			30	20	50	1
2	5AD.395	Project	0	0	10			100	50	150	5
									TOTAL	650	18

NOTE-Introduced MOOCS online course Upto 20% OF CREDIT TO BE EARNED BY moocs Swayam Portal of UGC

Sem 1	20
Sem2	22
Sem3	20
Sem 4	22
Sem5	18
Sem 6	18
Total Credits	120

****Indicates qualifying papers**

*****Indicates qualifying papers for Lateral students only**