



Integral University, Lucknow

University Polytechnic

Study and Evaluation Scheme

Program: Diploma in Civil Engineering (Construction Management & Safety)

Semester- I

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Sub. Total	Credit	Total Credits	Attributes							
				L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
THEORIES																					
1	DMA-101	Applied Mathematics-I	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y		Y					
2	DPH-101	Applied Physics -I	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y		Y			
3	DCH-101	Applied Chemistry -I	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y		Y			
4	DCE-101	Building Material -I	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y		Y			
5	DED-101	Engineering Drawing	Core	01	03	00	40	20	60	40	100	1:3:0	4	Y	Y	Y				Y	
6	DAM-101	Applied Mechanics-I	Core	03	01	00	40	20	60	40	100	3:1:0	4			Y					
1	DCH-151	Applied Chemistry Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1	Y	Y	Y		Y			
2	DAM-151	Applied Mechanics Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1			Y					
3	DCE-151	Building Material Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1	Y	Y	Y		Y			
4	DCS-151	Computer Application Lab	Core	01	00	02	40	20	60	40	100	1:0:1	2	Y	Y	Y					
5	GP-151	General Proficiency		—	—	—	—	—	60	—	60								Y	Y	
Total				17	08	08	400	200	660	400	1060		29								



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Department of Civil Engineering (Construction Management & Safety)

Study and Evaluation Scheme

Program: Diploma in Engineering
Semester -II

S. No .	Course code	Course Title	Type of Paper	Period Per hr./week/se m.			Evaluation Scheme				Sub · Total	Credit	Total Credits	Attributes						
				L	T	P	CT	TA	Total	ES E				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics
THEORIES																				
1	DMA-201	Applied Mathametics-II	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y		Y				
2	DPH-201	Applied Physics -II	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y		Y		
3	DCH-201	Applied Chemistry -II	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y		Y		
4	DCE-201	Building Material II	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y		Y		
5	DAM-201	Applied Mechanics -II	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y		Y				Y
6	DPC-201	Professional Communication	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y			Y	Y
1	DPH-251	Applied Physics Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1	Y	Y	Y		Y		
2	DWS-251	Workshop Practice	Core	00	00	03	40	20	60	40	100	0:0:1.5	1.5	Y	Y	Y		Y		
3	DCAD-251	Basic Computer Aided Design Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1	Y	Y	Y				Y
4	DPC-251	Professional Communication Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1	Y	Y	Y			Y	Y
5	GP-251	General Proficiency		—	—	—	—	—	60	—	60									
Total				18	06	09	400	200	660	400	1060		28.5							



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Program: Diploma in Engineering

Semester –III

S. No.	Course code	Course Title	Type of Paper	Period Per hr./week/sem.			Evaluation Scheme				Sub. Total	Credit	Total Credits	Attributes						
				L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics
THEORIES																				
1	DCE -301	Elementary Electrical & Mechanical Engineering	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y		Y				
2	DCE - 302	Strength of Materials	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y				
3	DCE - 303	Hydraulics	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y				
4	DCE - 304	Public Health Engineering – I	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y		Y		
5	DCE - 305	Building Construction & Maintenance Engineering – I	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y				
6	DCE - 306	Concrete Technology – I	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y				
1	DCE – 352	Strength of Material Lab.	Core	00	00	03	40	20	60	40	100	0:0:1.5	1.5	Y	Y	Y				
2	DCE - 353	Hydraulics Lab.	Core	00	00	03	40	20	60	40	100	0:0:1.5	1.5	Y	Y	Y				
3	DCE - 356	Concrete Technology & Building Construction and Maintenance Lab.	Core	00	00	03	40	20	60	40	100	0:0:1.5	1.5	Y	Y	Y				
4	GP - 351	General Proficiency		-	-	-	-	-	60	-	60								Y	Y
Total				18	06	09	360	180	600	360	960		28.5							



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Study and Evaluation Scheme

Program: Diploma in Engineering
Semester –IV

S. No.	Course code	Course Title	Type of Paper	Period Per hr./week/se m.			Evaluation Scheme				Sub · Tot al	Credit	Total Credit s	Attributes							
				L	T	P	CT	TA	Total	ES E				Employ ability	Entrepre neursh ip	Skill Develop ment	Gender Equalit y	Environment & Sustainabilit y	Huma n Value	Professiona l Ethics	
THEORIES																					
1	DCE - 401	Soil Mechanics & Foundation Engineering	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y					
2	DCE - 402	Civil Engineering Drawing – I	Core	01	00	03	40	20	60	40	100	1:3:0	4	Y	Y	Y				Y	
3	DCE - 403	Surveying – I	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y					
4	DCE - 404	Public Health Engineering – II	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y		Y			
5	DCE - 405	Building Construction & Maintenance Engineering – II	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y					
6	DCE - 406	Concrete Technology – II	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y		Y			
1	DCE - 451	Soil Mechanics Lab.	Core	00	00	03	40	20	60	40	100	0:0:1.5	1.5	Y	Y	Y					
2	DCE – 453	Surveying – I Lab.	Core	00	00	03	40	20	60	40	100	0:0:1.5	1.5	Y	Y	Y					
3	DCE - 454	Public Health Engineering Lab.	Core	00	00	03	40	20	60	40	100	0:0:1.5	1.5	Y	Y	Y		Y			
4	GP - 451	General Proficiency		-	-	-	-	-	60	-	60								Y	Y	
Total				16	05	12	360	180	600	360	960		28.5								



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Study and Evaluation Scheme

Program: Diploma in Engineering

Semester –V

S. No.	Course code	Course Title	Type of Paper	Period Per hr./week/se m.			Evaluation Scheme				Sub. Total	Credit	Total Credits	Attributes							
				L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
THEORIES																					
1	DCE – 501	Design of Reinforced Concrete Structure-I	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y		Y			
2	DCMS – 502	Transportation Engg.	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y					
3	DCMS – 503	Construction Equipment & Maintenance	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y		Y			
4	DCE – 504	Irrigation Engineering	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y		Y		Y			
5	DCE – 505	Surveying – II	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y					
6	DCMS - 506	Project Management in Construction	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y					
7	DCE - 554	Civil Engineering Drawing – II	Core	00	00	03	40	20	60	40	100	0:0:1.5	1.5	Y	Y	Y					
8	DCE - 555	Surveying Lab – II	Core	00	00	03	40	20	60	40	100	0:0:1.5	1.5	Y	Y	Y					
9	DCE - 557	Field exposure	Core	00	00	00	-	-		40	40	0:0:0	0	Y		Y				Y	
10	GP - 551	General Proficiency		-	-	-	-	-	60	-	60								Y	Y	
Total				18	06	06	320	160	540	360	900		27								



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Semester –VI

S. No.	Course code	Course Title	Type of Paper	Period Per hr./week/se m.			Evaluation Scheme				Sub. Total	Credit	Total Credits	Attributes						
				L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics
THEORIES																				
1	DCE – 601	Design of Reinforced Concrete Structure – II	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y		Y		
2	DCMS-602	Field Practices in Construction	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y				
3	DCE – 603	Estimating, Costing & Valuation	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y		Y		
4	DCE – 604	Design of Steel & Masonry Structures.	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y				
5	DCMS-605	Quality and Safety Management in Construction	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y	Y	Y		Y		
6	DCMS-606	Contract Management	Core	03	01	00	40	20	60	40	100	3:1:0	4	Y		Y				Y
7	DCE - 651	Reinforced Cement Concrete & Highway Lab	Core	00	00	02	40	20	60	40	100	0:0:1	1	Y	Y	Y				
8	DCE - 657	Project.	Core	02	00	02	--	120	120	80	200	2:0:1	3	Y	Y	Y				Y
9	GP- 651	General Proficiency	Core	--	--	--	--	--	60	--	60								Y	Y
Total				20	06	04	280	140	600	360	960		28							