



UTTARAKHAND BOARD OF TECHNICAL EDUCATION
INSTITUTE OF RESEARCH, DEVELOPMENT & TRAINING
(STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME)

संशोधित

we7.2024-25



BRANCH NAME: CIVIL AND ENVIRONMENTAL ENGINEERING

SEMESTER – III

BRANCH CODE: 44

Course Code	Course Title	TH	T	P	T O T	EVALUATION SCHEME						Total Marks	Total Credit
						Internal Assessment		External					
		Hours Per Week				Theory	Practical	Theory		Practical			
		Max Marks	Max Marks	Max Marks	Duration in Hrs.	Max Marks	Duration in Hrs.						
023006	Fluid Mechanics	5	0	2	7	30	20	75	2.5	50	3.0	175	6
443001	Mechanics of Materials	4	0	4	8	30	20	50	2.5	50	3.0	150	6
023002	Basic Surveying	4	0	6	10	30	20	75	2.5	75	6.0	200	5
023004	Building Material & Construction	5	0	4	9	30	20	75	2.5	50	3.0	175	6
443002	Theory of Structures	4	0	3	7	30	20	50	2.5	50	3.0	150	6
443003	Fundamental of Irrigation Engineering	3	0	0	3	50	0	100	2.5	0	-	150	5
AS301	Summer Internship - I (3-4 Week Duration After II Sem)	-	-	-	-	0	25	-	-	25	3.0	50	2
013054	General Proficiency	0	0	4	4	0	25	-	-	-	-	25	0
443052	Industrial Exposure	-	-	-	-	0	25	-	-	-	-	25	0
	Total	25	0	23	48	200	175	425	-	300	-	1100	36

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BRANCH NAME: CIVIL AND ENVIRONMENTAL ENGINEERING

SEMESTER – IV

BRANCH CODE: 44

वे. 23-24

Course Code	Course Title	TH	T	P	T O T	EVALUATION SCHEME						Total Marks	Total Credit
						Internal Assessment		External					
						Theory	Practical	Theory		Practical			
						Max Marks	Max Marks	Max Marks	Duration in Hrs.	Max Marks	Duration in Hrs.		
Hours Per Week													
024001	Advanced Surveying	4	0	6	10	25	25	75	2.5	75	6.0	200	5
024002	Concrete Technology	4	0	3	7	25	15	75	2.5	50	3.0	165	5
444001	Environmental Pollution & Control Measures	3	0	2	5	25	15	50	2.5	50	3.0	140	6
444002	Transportation Engineering	3	0	2	5	25	15	50	2.5	50	3.0	140	5
024006	Water Supply & Waste Water Engineering	4	0	4	8	25	15	75	2.5	75	3.0	190	5
444003	Solid Waste Management	3	0	0	3	25	0	50	2.5	0	-	75	5
AS401	Essence of Indian Traditional Knowledge (Audit Course)	2	0	0	2	0	0	50	2.5	0	-	50	0
AS402	Minor Project	0	0	4	4	0	20	0	-	70	3.0	90	2
014054	General Proficiency	0	0	4	4	0	25	0	-	0	-	25	0
444052	Industrial Exposure	0	0	0	0	0	25	0	-	0	-	25	0
	Total	23	0	25	48	150	155	425	-	370	-	1100	33

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BRANCH NAME: CIVIL AND ENVIRONMENTAL ENGINEERING

SEMESTER - V
w.e.7.23-24

BRANCH CODE: 44

Course Code	Course Title	TH	T	P	T O T	EVALUATION SCHEME						Total Marks	Total Credit
						Internal Assessment		External					
						Theory	Practical	Theory		Practical			
						Max Marks	Max Marks	Max Marks	Duration in Hrs.	Max Marks	Duration in Hrs.		
Hours Per Week													
445001	Design of Steel & RCC Structures	4	0	8	12	25	25	50	2.5	50	3.0	150	8
025002	Geotechnical Engineering	5	0	6	11	25	25	80	2.5	75	3.0	205	7
445002	Elective-1: Green Building & Energy Conservation or,	5	0	0	5	15	0	75	2.5	0	-	90	5
445003	Building Services & Maintenance												
445004	Elective-2: Foundation Engineering or,	5	0	0	5	15	0	75	2.5	0	-	90	5
445005	Environmental Act & Legislation												
435008	Open Elective: Renewable Energy Technologies or,	4	0	0	4	50	0	50	2.5	0	-	100	5
445006	Engineering Economics & Accounting												
445007	Building Information Modelling	5	0	0	5	15	0	50	2.5	0	-	65	4
AS501	Summer Internship-II (4-6 week duration after IV Sem)	-	-	-	-	0	50	0	-	50	3.0	100	3
AS502	Major Project-I	0	0	2	2	0	50	0	-	100	3.0	150	1
015054	General Proficiency	0	0	4	4	0	25	0	-	0	-	25	0
445052	Industrial Exposure	0	0	0	0	0	25	0	-	0	-	25	0
	Total	28	0	20	48	145	200	380	-	275	-	1000	38

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BRANCH NAME: CIVIL AND ENVIRONMENTAL ENGINEERING

SEMESTER – VI

BRANCH CODE: 44

we 2. 2023-24

Course Code	Course Title	TH	T	P	T O T	EVALUATION SCHEME						Total Marks	Total Credit
						Internal Assessment		External					
						Theory	Practical	Theory		Practical			
						Max Marks	Max Marks	Max Marks	Duration in Hrs.	Max Marks	Duration in Hrs.		
Hours Per Week													
446001	Estimating Costing & Valuation	8	4	0	12	25	25	100	2.5	75	3.0	225	12
446002	Open Elective-1: Repair & Maintenance of Structures or, Tendering & Accounts	7	0	0	7	25	0	75	2.5	0	-	100	7
446003													
026006	Open Elective-2: Disaster Management or, Environmental Impact Assessment	4	0	0	4	25	0	50	2.5	0	-	75	4
446004													
446005	Prog. Elective: Precast and Prestressed Concrete or, Economic Policies in India	7	0	0	7	25	0	75	2.5	0	-	100	7
446006													
AS601	Indian Constitution (Audit Course)	2	0	0	2	0	0	50	2.5	0	-	50	0
AS602	Entrepreneurship and Starts-Ups	4	0	0	4	50	0	100	2.5	0	-	150	4
AS603	Major Project-II	0	0	6	6	0	50	0	-	150	3.0	200	3
AS604	Seminar	2	0	0	2	0	50	0	-	0	-	50	1
016054	General Proficiency	0	0	4	4	0	25	0	-	0	-	25	0
446052	Industrial Exposure	0	0	0	0	0	25	0	-	0	-	25	0
	Total	34	4	10	48	150	175	450	-	225	-	1000	38

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