

Scheme of
UNDERGRADUATE DEGREE COURSE

B.Tech. V & VI Semester

Civil Engineering



Rajasthan Technical University, Kota
Effective from session: 2019-20



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme

B.Tech. : Civil Engineering

3rd Year –V Semester

THEORY											
SN	Cate g o r y	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	ESC	5CE3-01	Construction Technology & Equipments	2	0	0	2	20	80	100	2
2	PCC/ PEC	5CE4-02	Structural Analysis-I	2	0	0	2	20	80	100	2
3		5CE4-03	Design of Concrete Structures	3	0	0	3	30	120	150	3
4		5CE4-04	Geotechnical Engineering	3	0	0	3	30	120	150	3
5		5CE4-05	Water Resource Engineering	2	0	0	2	20	80	100	2
6		Departmental Elective-I:		2	0	0	2	20	80	100	2
		5CE5-11	Air & Noise Pollution and Control								
		5CE5-12	Disaster Management								
		5CE5-13	Town Planning								
		5CE5-17*	Understanding the Human Being Comprehensively-Human Aspirations and Its Fulfillment								
7		Departmental Elective-II:		2	0	0	2	20	80	100	2
		5CE5-14	Repair and Rehabilitation of Structures								
		5CE5-15	Ground Improvement Techniques								
		5CE5-16	Energy Science & Engineering								
		5CE5-17*	Understanding the Human Being Comprehensively-Human Aspirations and Its Fulfillment								
Sub Total				16	0	0		160	640	800	16
PRACTICAL & SESSIONAL											
8	PCC	5CE4-21	Concrete Structures Design	0	0	3	3	45	30	75	1.5
9		5CE4-22	Geotechnical Engineering Lab	0	0	3	3	45	30	75	1.5
10		5CE4-23	Water Resource Engineering Design	0	0	2	2	30	20	50	1
11	PSIT	5CE7-30	Industrial Training	0	0	1		75	50	125	2.5
12	SODE CA	5CE8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0		0	25	25	0.5
Sub- Total				0	0	9		195	155	350	7
TOTAL OF V SEMESTER				16	0	9		355	795	1150	23

* 5CE5-17 can be taken either in Elective-I or in Elective-II(Not in both)



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme B. Tech.: Civil Engineering 3rd Year – VI Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	ESC	6CE3-01	Wind & Seismic Analysis	2	0	0	2	20	80	100	2
2	PCC/ PEC	6CE4-02	Structural Analysis-II	3	0	0	3	30	120	150	3
3		6CE4-03	Environmental Engineering	3	0	0	3	30	120	150	3
4		6CE4-04	Design of Steel Structures	3	0	0	3	30	120	150	3
5		6CE4-05	Estimating & Costing	2	0	0	2	20	80	100	2
6		Departmental Elective-III:		2	0	0	2	20	80	100	2
			6CE5-11	Pre-stressed Concrete							
		6CE5-12	Solid and Hazardous Waste Management								
		6CE5-13	Traffic Engineering and Management								
		6CE5-17*	Values, Relationship & Ethical Human Conduct-For a Happy & Harmonious Society (Professional Elective Course)								
7		Departmental Elective-IV:		2	0	0	2	20	80	100	2
		6CE5-14	1. Bridge Engineering								
		6CE5-15	2. Rock Engineering								
		6CE5-16	3. Geographic Information System & Remote Sensing								
		6CE5-17*	Values, Relationship & Ethical Human Conduct-For a Happy & Harmonious Society (Professional Elective Course)								
		Sub Total		17	0	0		170	680	850	17
PRACTICAL & SESSIONAL											
8	PCC	6CE4-21	Environmental Engineering Design and Lab	0	0	3	3	45	30	75	1.5
9		6CE4-22	Steel Structure Design	0	0	3	3	45	30	75	1.5
10		6CE4-23	Quantity Surveying and Valuation	0	0	2	2	30	20	50	1
11		6CE4-24	Water and Earth Retaining Structures Design	0	0	2	2	30	20	50	1
12		6CE4-25	Foundation Design	0	0	2	2	30	20	50	1
13	SODE CA	6CE8-00	Social Outreach, Discipline & Extra Curricular Activities						25	25	0.5
		Sub- Total		0	0	12		180	145	325	6.5
		TOTAL OF VI SEMESTER		17	0	12		350	825	1175	23.5

* 6CE5-17 can be taken either in Elective-III or in Elective-IV (Not in both)

L: Lecture, T: Tutorial, P: Practical, Cr: Credits ETE: End Term Exam, IA: Internal Assessment