

Scheme of
UNDERGRADUATE DEGREE COURSE

B.Tech. V & VI Semester

Electrical Engineering



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



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme B.Tech. : Electrical Engineering 3rd Year -V Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	ESC	5EE3-01	Electrical Materials	2	0	0	2	20	80	100	2
2	PCC/ PEC	5EE4-02	Power System - I	3	0	0	3	30	120	150	3
3		5EE4-03	Control System	3	0	0	3	30	120	150	3
4		5EE4-04	Microprocessor	3	0	0	3	30	120	150	3
5		5EE4-05	Electrical Machine Design	3	0	0	3	30	120	150	3
6		Professional Elective I (any one)	2	0	0	2	20	80	100	2	
		5EE5-11	Restructured Power System.								
		5EE5-12	Electromagnetic Wave.								
		5EE5-13	Digital Control System.								
Sub Total				16	0	0		160	640	800	16
PRACTICAL & SESSIONAL											
7	PCC	5EE4-21	Power System - I Lab	0	0	2	2	30	20	50	1
8		5EE4-22	Control System Lab	0	0	2	2	30	20	50	1
9		5EE4-23	Microprocessor Lab	0	0	2	2	30	20	50	1
10		5EE4-24	System Programming Lab	0	0	2	2	30	20	50	1
11	PSIT	5EE7-30	Industrial Training	0	0	1		75	50	125	2.5
12	SODE CA	5EE8-00	Social Outreach, Discipline & Extra Curricular Activities						25	25	0.5
Sub- Total				0	0	9		195	155	350	7
TOTAL OF V SEMESTER				16	0	9		355	795	1150	23

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

Office of Dean Academic Affairs
Rajasthan Technical University, Kota



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme B. Tech.: Electrical 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	6EE3-01	Computer Architecture	2	0	0	2	20	80	100	2
2	PCC/ PEC	6EE4-02	Power System - II	3	0	0	3	30	120	150	3
3		6EE4-03	Power System Protection	3	0	0	3	30	120	150	3
4		6EE4-04	Electrical Energy Conversion and Auditing	3	0	0	3	120	120	150	3
5		6EE4-05	Electric Drives	3	0	0	3	30	120	150	3
6		Professional Elective II (any one)	3	0	0	3	30	120	150	3	
		6EE5-11	Power System Planning.								
		6EE5-12	Digital Signal Processing.								
		6EE5-13	Electrical and Hybrid Vehicles.								
Sub Total				17	0	0	17	260	680	850	17
PRACTICAL & SESSIONAL											
7	PCC	6EE4-21	Power System - II Lab	0	0	4	3	60	40	100	2
8		6EE4-22	Electric Drives Lab	0	0	4	3	60	40	100	2
9		6EE4-23	Power System Protection Lab	0	0	2	2	30	20	50	1
10		6EE4-24	Modelling and simulation lab	0	0	2	2	30	20	50	1
11	SODE CA	6EE8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0			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

L: Lecture, **T:** Tutorial, **P:** Practical, **Cr:** Credits

ETE: End Term Exam, **IA:** Internal Assessment

Office of Dean Academic Affairs
Rajasthan Technical University, Kota