

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

### 3<sup>rd</sup> 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.								
		5EE5-14	Understanding the Human Being Comprehensively- Human Aspirations and Its Fulfillment								
			<b>Sub Total</b>	<b>16</b>	<b>0</b>	<b>0</b>		<b>160</b>	<b>640</b>	<b>800</b>	<b>16</b>
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
		<b>Sub- Total</b>	<b>0</b>	<b>0</b>	<b>9</b>		<b>195</b>	<b>155</b>	<b>350</b>	<b>7</b>	
		<b>TOTAL OF V SEMESTER</b>	<b>16</b>	<b>0</b>	<b>9</b>		<b>355</b>	<b>795</b>	<b>1150</b>	<b>23</b>	

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

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



# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## Teaching & Examination Scheme B. Tech.: Electrical Engineering 3<sup>rd</sup> 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.								
		6EE5-14	Values, Relationship & Ethical Human Conduct-For Happy & Harmonious Society								
<b>Sub Total</b>				<b>17</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>260</b>	<b>680</b>	<b>850</b>	<b>17</b>
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
<b>Sub- Total</b>				<b>0</b>	<b>0</b>	<b>12</b>		<b>180</b>	<b>145</b>	<b>325</b>	<b>6.5</b>
<b>TOTAL OF VI SEMESTER</b>				<b>17</b>	<b>0</b>	<b>12</b>		<b>350</b>	<b>825</b>	<b>1175</b>	<b>23.5</b>

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Office of Dean Academic Affairs  
Rajasthan Technical University, Kota