

Scheme of  
UNDERGRADUATE DEGREE COURSE

**B.Tech. V & VI Semester**

Electrical And Electronics Engineering



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



# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## Teaching & Examination Scheme B.Tech. : Electrical And Electronics 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	5EX3-01	Neural Network	2	0	0	2	20	80	100	2
2	PCC/ PEC	5EX4-02	Power System - I	3	0	0	3	30	120	150	3
3		5EX4-03	Control System	3	0	0	3	30	120	150	3
4		5EX4-04	Microprocessor	3	0	0	3	30	120	150	3
5		5EX4-05	Analog Communication	3	0	0	3	30	120	150	3
6		Professional Elective I (any one)	2	0	0	3	20	80	100	2	
		5EX5-11	Biomedical Instrumentation.								
		5EX5-12	Principle of communication System								
		5EX5-13	Introduction to VLSI								
<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	5EX4-21	Power System - I Lab	0	0	2	2	30	20	50	1
8		5EX4-22	Control System Lab	0	0	2	2	30	20	50	1
9		5EX4-23	Microprocessor Lab	0	0	2	2	30	20	50	1
10		5EX4-24	Communication Lab	0	0	2	2	30	20	50	1
11	PSIT	5EX7-30	Industrial Training	0	0	1		75	50	125	2.5
12	SODE CA	5EX8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0			25	25	0.5
<b>Sub- Total</b>				<b>0</b>	<b>0</b>	<b>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

Office of Dean Academic Affairs  
Rajasthan Technical University, Kota



## Teaching & Examination Scheme B.Tech. : Electrical And Electronics Engineering 3<sup>rd</sup> Year – VI Semester

<b>THEORY</b>											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	ESC	6EX3-01	Computer Architecture	2	0	0	2	20	80	<b>100</b>	<b>2</b>
2	PCC/ PEC	6EX4-02	Power System - II	3	0	0	3	30	120	<b>150</b>	<b>3</b>
3		6EX4-03	Power System Protection	3	0	0	3	30	120	<b>150</b>	<b>3</b>
4		6EX4-04	Data Base Management System	3	0	0	3	30	120	<b>150</b>	<b>3</b>
5		6EX4-05	Electric Drives	3	0	0	3	30	120	<b>150</b>	<b>3</b>
6		Professional Elective II (any one)	3	0	0	3	30	120	<b>150</b>	<b>3</b>	
			6EX5-11	High Voltage Engineering.							
		6EX5-12	Smart Grid Technology.								
		6EX5-13	Power system Instrumentation								
		<b>Sub Total</b>		<b>17</b>	<b>0</b>	<b>0</b>		<b>170</b>	<b>680</b>	<b>850</b>	<b>17</b>
<b>PRACTICAL &amp; SESSIONAL</b>											
7	PCC	6EX4-21	Power System - II Lab	0	0	4	3	60	40	<b>100</b>	<b>2</b>
8		6EX4-22	Electric Drives Lab	0	0	4	3	60	40	<b>100</b>	<b>2</b>
9		6EX4-23	Power System Protection Lab	0	0	2	2	30	20	<b>50</b>	<b>1</b>
10		6EX4-24	Modelling and simulation lab	0	0	2	2	30	20	<b>50</b>	<b>1</b>
11	SODE CA	6EX8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0			25	<b>25</b>	<b>0.5</b>
		<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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