

Scheme of  
UNDERGRADUATE DEGREE COURSE

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

Electronics & Communication Engineering



Rajasthan Technical University, Kota  
Effective from session: 2022-23



## Teaching & Examination Scheme B.Tech. : Electronics & Communication 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	5EC3-01	Computer Architecture	2	0	0	3	30	70	100	<b>2</b>	
2	PCC / PEC	5EC4-02	Electromagnetics Waves	3	0	0	3	30	70	100	<b>3</b>	
3		5EC4-03	Control system	3	0	0	3	30	70	100	<b>3</b>	
4		5EC4-04	Digital Signal Processing	3	0	0	3	30	70	100	<b>3</b>	
5		5EC4-05	Microwave Theory & Techniques	3	0	0	3	30	70	100	<b>3</b>	
6		Professional Elective I (any one)		2	0	0	3	30	70	100	<b>2</b>	
		5EC5-11	Bio-Medical Electronics									
		5EC5-12	Embedded Systems									
		5EC5-13	Probability Theory & Stochastic Process									
	5EC5-14	Satellite Communication										
		<b>Sub Total</b>		<b>16</b>	<b>0</b>	<b>0</b>					<b>16</b>	
PRACTICAL & SESSIONAL												
7	PCC	5EC4-21	RF Simulation Lab	0	0	3	2	60	40	100	<b>1.5</b>	
8		5EC4-22	Digital Signal Processing Lab	0	0	3	2	60	40	100	<b>1.5</b>	
9		5EC4-23	Microwave Lab	0	0	2	2	60	40	100	<b>1</b>	
10	PSIT	5EC7-30	Industrial Training	0	0	1		60	40	100	<b>2.5</b>	
11	SOD E CA	5EC8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0			100	100	<b>0.5</b>	
		Sub- Total		0	0	9					<b>7</b>	
		<b>TOTAL OF V SEMESTER</b>		<b>16</b>	<b>0</b>	<b>9</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.: Electronics & Communication 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	6EC 3-01	Power Electronics	2	0	0	3	30	70	100	2
2	PCC/ PEC	6EC 4-02	Computer Network	3	0	0	3	30	70	100	3
3		6EC 4-03	Fiber Optics Communications	3	0	0	3	30	70	100	3
4		6EC 4-04	Antennas and Propagation	3	0	0	3	30	70	100	3
5		6EC 4-05	Information theory and coding	3	0	0	3	30	70	100	3
6		Professional Elective II (any one)		3	0	0	3	30	70	100	3
			6EC 5-11	Introduction to MEMS							
		6EC 5-12	Nano Electronics								
		6EC 5-13	Neural Network And Fuzzy Logic Control								
		6EC 5-14	High Speed Electronics								
		<b>Sub Total</b>		<b>17</b>	<b>0</b>	<b>0</b>					<b>17</b>
PRACTICAL & SESSIONAL											
7	PCC	6EC 4-21	Computer Network Lab	0	0	4	2	60	40	100	2
8		6EC 4-22	Antenna and wave propagation Lab	0	0	2	2	60	40	100	1
9		6EC 4-23	Electronics Design Lab	0	0	4	2	60	40	100	2
10		6EC 4-24	Power Electronics Lab	0	0	2	2	60	40	100	1
11	SODE CA	6EC 8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0			100	100	0.5
		Sub- Total		0	0	12					6.5
		<b>TOTAL OF VI SEMESTER</b>		<b>17</b>	<b>0</b>	<b>12</b>					<b>23.5</b>

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Office of Dean Academic Affairs  
Rajasthan Technical University, Kota