

Scheme of
UNDERGRADUATE DEGREE COURSE

B.Tech. V & VI Semester

Electronics & Communication Engineering



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



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme B.Tech.:Electronics&CommunicationEngineering 3rdYear –V Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks			Cr	
		Code	Title	L	T	P	Exm Hrs	IA	ETE		Total
1	ESC	5EC 3-01	Computer Architecture	2	0	0	2	20	80	100	2
2	PCC/ PEC	5EC 4-02	Electromagnetics Waves	3	0	0	3	30	120	150	3
3		5EC 4-03	Control system	3	0	0	3	30	120	150	3
4		5EC 4-04	Digital Signal Processing	3	0	0	3	30	120	150	3
5		5EC 4-05	Microwave Theory & Techniques	3	0	0	3	30	120	150	3
6		Professional Elective I (any one)		2	0	0	2	20	80	100	2
		5EC 5-11	Bio-Medical Electronics								
		5EC 5-12	Embedded Systems								
		5EC 5-13	Probability Theory & Stochastic Process								
		5EC 5-14	Satellite Communication								
		5EC 5-15	Understanding the Human Being Comprehensively- Human Aspirations and Its Fulfillment								
		Sub Total		16	0	0		160	640	800	16
PRACTICAL & SESSIONAL											
7	PCC	5EC 4-21	RF Simulation Lab	0	0	3	2	45	30	75	1.5
8		5EC 4-22	Digital Signal Processing Lab	0	0	3	2	45	30	75	1.5
9		5EC 4-23	Microwave Lab	0	0	2	2	30	20	50	1
10	PSIT	5EC 7-30	Industrial Training	0	0	1		75	50	125	2.5
11	SODE CA	5EC 8-00	Social Outreach, Discipline & Extra Curricular Activities	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

L:Lecture,T:Tutorial,P:Practical,Cr:Credits
ETE:EndTermExam,IA:InternalAssessment

Office of Dean Academic Affairs
Rajasthan Technical University, Kota



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme B.Tech.: Electronics & Communication 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	6EC 3-01	Power Electronics	2	0	0	2	20	80	100	2
2	PCC/ PEC	6EC 4-02	Computer Network	3	0	0	3	30	120	150	3
3		6EC 4-03	Fiber Optics Communications	3	0	0	3	30	120	150	3
4		6EC 4-04	Antennas and Propagation	3	0	0	3	30	120	150	3
5		6EC 4-05	Information theory and coding	3	0	0	3	30	120	150	3
6		Professional Elective II (any one)		3	0	0	3	30	120	150	3
			6EC 5-11	Introduction to MEMS							
		6EC 5-12	Nano Electronics								
		6EC 5-13	Neural Network And Fuzzy Logic Control								
		6EC 5-14	HighSpeed Electronics								
		6EC 5-15	Values, Relationship & Ethical Human Conduct- For Happy & Harmonious Society								
Sub Total				17	0	0		170	680	850	17
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	30	20	50	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	30	20	50	1
11	SODE CA	6EC 8-00	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

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