

Scheme of
UNDERGRADUATE DEGREE COURSE

B.Tech. V & VI Semester

Electronics & Communication Engineering



Rajasthan Technical University, Kota
Effective from session: 2021-22



**Teaching & Examination Scheme
B.Tech. : Electronics & Communication
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	5EC3-01	Computer Architecture	2	0	0	3	30	70	100	2
2	PCC / PEC	5EC4-02	Electromagnetics Waves	3	0	0	3	30	70	100	3
3		5EC4-03	Control system	3	0	0	3	30	70	100	3
4		5EC4-04	Digital Signal Processing	3	0	0	3	30	70	100	3
5		5EC4-05	Microwave Theory & Techniques	3	0	0	3	30	70	100	3
6		Professional Elective I (any one)		2	0	0	3	30	70	100	2
		5EC5-11	Bio-Medical Electronics								
		5EC5-12	Embedded Systems								
		5EC5-13	Probability Theory & Stochastic Process								
		5EC5-14	Satellite Communication								
			Sub Total		16	0	0		210	490	700
PRACTICAL & SESSIONAL											
7	PCC	5EC4-21	RF Simulation Lab	0	0	3	2	60	40	100	1.5
8		5EC4-22	Digital Signal Processing Lab	0	0	3	2	60	40	100	1.5
9		5EC4-23	Microwave Lab	0	0	2	2	60	40	100	1
10	PSIT	5EC7-30	Industrial Training	0	0	1		60	40	100	2.5
11	SOD E CA	5EC8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0		60	40	100	0.5
		Sub- Total		0	0	9		300	200	500	7
		TOTAL OF V SEMESTER		16	0	9		510	690	1200	23

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 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	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	5G Communication	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	HighSpeed Electronics								
		Sub Total		17	0	0		180	420	600	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	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		60	40	100	0.5
		Sub- Total		0	0	12		300	200	500	6.5
		TOTAL OF VI SEMESTER		17	0	12		480	620	1100	23.5

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Office of Dean Academic Affairs
Rajasthan Technical University, Kota