

BIKANER TECHNICAL UNIVERSITY

BIKANER



SCHEME

NOTE: Adopted Syllabus and Scheme of Rajasthan Technical University, Kota Vide resolution of BOM agenda item No. BOM 1.6 in Meeting held on 07-09-2018

Teaching and Examination Scheme

I Semester: B.Tech Common to all branches of UG Engineering & Technology

SN	Category	Course Code	Course Title	Hours			Marks			Cr
				L	T	P	IA	ETE	Total	
1	BSC	1FY2-01	Engineering Mathematics-I	3	1	-	40	160	200	4
2	BSC	1FY2-02/ 1FY2-03	Engineering Physics/ Engineering Chemistry	3	1	-	40	160	200	4
3	HSMC	1FY1-04/ 1FY1-05	Communication Skills/ Human Values	2	-	-	20	80	100	2
4	ESC	1FY3-06/ 1FY3-07	Programming for Problem Solving/ Basic Mechanical Engineering	2	-	-	20	80	100	2
5	ESC	1FY3-08/ 1FY3-09	Basic Electrical Engineering/ Basic Civil Engineering	2	-	-	20	80	100	2
6	BSC	1FY2-20/ 1FY2-21	Engineering Physics Lab/ Engineering Chemistry Lab	-	-	2	30	20	50	1
7	HSMC	1FY1-22/ 1FY1-23	Language Lab/ Human Values Activities	-	-	2	30	20	50	1
8	ESC	1FY3-24/ 1FY3-25	Computer Programming Lab/ Manufacturing Practices Workshop	-	-	3	45	30	75	1.5
9	ESC	1FY3-26/ 1FY3-27	Basic Electrical Engineering Lab/ Basic Civil Engineering Lab	-	-	2	30	20	50	1
10	ESC	1FY3-28/ 1FY3-29	Computer Aided Engineering Graphics/ Computer Aided Machine Drawing	-	-	3	45	30	75	1.5
11	SODE CA	1FY8-00							25	0.5
Total									1025	20.5

L = Lecture, **T** = Tutorial,

P = Practical, **IA**=Internal Assessment,
ETE=End Term Exam, **Cr**=Credits

Teaching and Examination Scheme

II Semester: B.Tech.

Common to all branches of UG Engineering & Technology

SN	Category	Course Code	Course Title	Hours			Marks			Cr
				L	T	P	IA	ETE	Total	
1	BSC	2FY2-01	Engineering Mathematics-II	3	1	-	40	160	200	4
2	BSC	2FY2-03/ 2FY2-02	Engineering Chemistry/ Engineering Physics	3	1	-	40	160	200	4
3	HSMC	2FY1-05/ 2FY1-04	Human Values/ Communication Skills	2	-	-	20	80	100	2
4	ESC	2FY3-07/ 2FY3-06	Basic Mechanical Engineering/ Programming for Problem Solving	2	-	-	20	80	100	2
5	ESC	2FY3-09/ 2FY3-08	Basic Civil Engineering/ Basic Electrical Engineering	2	-	-	20	80	100	2
6	BSC	2FY2-21/ 2FY2-20	Engineering Chemistry Lab/ Engineering Physics Lab	-	-	2	30	20	50	1
7	HSMC	2FY1-23/ 2FY1-22	Human Values Activities/ Language Lab	-	-	2	30	20	50	1
8	ESC	2FY3-25/ 2FY3-24	Manufacturing Practices Workshop/ Computer Programming Lab	-	-	3	45	30	75	1.5
9	ESC	2FY3-27/ 2FY3-26	Basic Civil Engineering Lab/ Basic Electrical Engineering Lab	-	-	2	30	20	50	1
10	ESC	2FY3-29/ 2FY3-28	Computer Aided Machine Drawing/ Computer Aided Engineering Graphics	-	-	3	45	30	75	1.5
11	SODE CA	1FY8-00							25	0.5
Total									1025	20.5

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Teaching & Examination Scheme B.Tech. : Electrical & Electronics Engineering 2nd Year - III Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	BSC	3EX2-01	Advance Mathematics	3	0	0	3	30	120	150	3
2	HSMC	3EX1-02/ 3EX1-03	Technical Communication / Managerial Economics and Financial Accounting	2	0	0	2	20	80	100	2
3		ESC	3EX3-04	Power generation Process	2	0	0	2	20	80	100
4	PCC	3EX4-05	Electrical Circuit Analysis	3	0	0	3	30	120	150	3
5		3EX4-06	Analog Electronics	3	0	0	3	30	120	150	3
6		3EX4-07	Electrical Machine - I	3	0	0	3	30	120	150	3
7		3EX4-08	Electromagnetic Field	2	0	0	2	20	80	100	2
			Sub Total	18	0	0		180	720	900	18
PRACTICAL & SESSIONAL											
8	PCC	3EX4-21	Analog Electronics Lab	0	0	2		30	20	50	1
9		3EX4-22	Electrical Machine-I Lab	0	0	4		60	40	100	2
10		3EX4-23	Electrical circuit design Lab	0	0	4		60	40	100	2
11	PSIT	3EX7-30	Industrial Training	0	0	2		0	0	50	1
12	SODE CA	3EX8-00	Social Outreach, Discipline & Extra Curricular Activities							25	0.5
			Sub- Total	0	0	12		150	100	325	6.5
			TOTAL OF III SEMESTER	18	0	12		330	820	1225	24.5

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Office of Dean Academic Affairs
Rajasthan Technical University, Kota



Teaching & Examination Scheme
B.Tech. : Electrical & Electronics Engineering
2nd Year - IV Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	BSC	4EX2-01	Biology	2	0	0	2	20	80	100	2
2	HSMC	4EX1-02/ 4EX1-03	Technical Communication / Managerial Economics and Financial Accounting	2	0	0	2	20	80	100	2
3		ESC	4EX3-04	Electronic Measurement & Instrumentation	2	0	0	2	20	80	100
4	PCC	4EX4-05	Electrical Machine - II	3	0	0	3	30	120	150	3
5		4EX4-06	Power Electronics	3	0	0	3	30	120	150	3
6		4EX4-07	Signals & Systems	3	0	0	3	30	120	150	3
7		4EX4-08	Digital Electronics	2	0	0	2	20	80	100	2
Sub Total				17	0	0		170	680	850	17
PRACTICAL & SESSIONAL											
8	PCC	4EX4-21	Electrical Machine - II Lab	0	0	4		60	40	100	2
9		4EX4-22	Power Electronics Lab	0	0	4		60	40	100	2
10		4EX4-23	Digital Electronics Lab	0	0	2		30	20	50	1
11		4EX3-24	Measurement Lab	0	0	2		30	20	50	1
13	SODE CA	4EX8-00	Social Outreach, Discipline & Extra Curricular Activities							25	0.5
Sub- Total				0	0	12		180	120	325	6.5
TOTAL OF IV SEMEESTER				17	0	12		350	800	1175	23.5

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