

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

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

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

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## Teaching & Examination Scheme B.Tech. : Electronics & Communication Engineering 2<sup>nd</sup> Year - III Semester

<b>THEORY</b>											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	BSC	3EC2-01	Advanced Engineering Mathematics-I	3	0	0	3	30	120	<b>150</b>	<b>3</b>
2	HSMC	3EC1-02/ 3EC1-03	Technical Communication/Managerial Economics and Financial Accounting	2	0	0	2	20	80	<b>100</b>	<b>2</b>
3	PCC	3EC4-04	Digital System Design	3	0	0	3	30	120	<b>150</b>	<b>3</b>
4		3EC4-05	Signal & Systems	3	0	0	3	30	120	<b>150</b>	<b>3</b>
5		3EC4-06	Network Theory	3	1	0	3	40	160	<b>200</b>	<b>4</b>
6		3EC4-07	Electronics Devices	3	1	0	3	40	160	<b>200</b>	<b>4</b>
<b>Sub Total</b>				17	2	0		190	760	<b>950</b>	<b>19</b>
<b>PRACTICAL &amp; SESSIONAL</b>											
8	PCC	3EC4-21	Electronics Devices Lab	0	0	2		30	20	<b>50</b>	<b>1</b>
9		3EC4-22	Digital System Design Lab	0	0	2		30	20	<b>50</b>	<b>1</b>
10		3EC4-23	Signal Processing Lab	0	0	2		30	20	<b>50</b>	<b>1</b>
11	ESC	3EC3-24	Computer Programming Lab-I	0	0	2		30	20	<b>50</b>	<b>1</b>
13	PSIT	3EC7-30	Industrial Training	0	0	1				<b>50</b>	<b>1</b>
14	SODE CA	3EC8-00	Social Outreach, Discipline & Extra Curricular Activities							<b>25</b>	<b>0.5</b>
<b>Sub- Total</b>				0	0	9		120	80	<b>275</b>	<b>5.5</b>
<b>TOTAL OF III SEMESTER</b>				17	2	9		310	840	<b>1225</b>	<b>24.5</b>

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# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## Teaching & Examination Scheme B.Tech. : Electronics & Communication Engineering 2<sup>nd</sup> Year - IV Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	BSC	4EC2-01	Advanced Engineering Mathematics-II	3	0	0	3	30	120	<b>150</b>	<b>3</b>
2	HSMC	4EC1-03/ 4EC1-02	Managerial Economics and Financial Accounting/ Technical Communication	2	0	0	2	10	40	<b>50</b>	<b>2</b>
3	PCC	4EC4-04	Analog Circuits	3	0	0	3	30	120	<b>150</b>	<b>3</b>
4		4EC4-05	Microcontrollers	3	0	0	3	30	120	<b>150</b>	<b>3</b>
5	ESC	4EC3-06	Electronics Measurement & Instrumentation	3	0	0	3	30	120	<b>150</b>	<b>3</b>
6	PCC	4EC4-07	Analog and Digital Communication	3	0	0	3	30	120	<b>150</b>	<b>3</b>
<b>Sub Total</b>				17	0	0		160	640	<b>800</b>	<b>17</b>
PRACTICAL & SESSIONAL											
8	PCC	4EC4-21	Analog and Digital Communication Lab	0	0	3		45	30	<b>75</b>	<b>1.5</b>
9		4EC4-22	Analog Circuits Lab	0	0	3		45	30	<b>75</b>	<b>1.5</b>
10		4EC4-23	Microcontrollers Lab	0	0	3		45	30	<b>75</b>	<b>1.5</b>
11		4EC4-24	Electronics Measurement & Instrumentation Lab	0	0	3		45	30	<b>75</b>	<b>1.5</b>
12	SODE CA	4EC18-00	Social Outreach, Discipline & Extra Curricular Activities							<b>25</b>	<b>0.5</b>
<b>Sub- Total</b>				0	0	12		180	120	<b>325</b>	<b>6.5</b>
<b>TOTAL OF IV SEMEESTER</b>				17	0	12		340	760	<b>1125</b>	<b>23.5</b>

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Office of Dean Academic Affairs  
Rajasthan Technical University, Kota