

# 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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# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## Teaching & Examination Scheme

### B.Tech. : Mechanical Engineering 2<sup>nd</sup> Year - III Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	BSC	3ME2-01	Advance Engineering Mathematics-I	3	0	0	3	30	120	150	3
2	HSMC	3ME1-02/ 3ME1-03	Technical Communication/ Managerial Economics and Financial Accounting	2	0	0	2	20	80	100	2
3	ESC	3ME3-04	Engineering Mechanics	2	0	0	2	20	80	100	2
4	PCC	3ME4-05	Engineering Thermodynamics	3	0	0	3	30	120	150	3
5		3ME4-06	Materials Science and Engineering	3	0	0	3	30	120	150	3
6		3ME4-07	Mechanics of Solids	3	1	0	3	40	160	200	4
<b>Sub Total</b>				16	1	0		170	680	850	17
PRACTICAL & SESSIONAL											
7	PCC	3ME4-21	Machine drawing practice	0	0	3		45	30	75	1.5
8		3ME4-22	Materials Testing Lab	0	0	3		45	30	75	1.5
9		3ME4-23	Basic Mechanical Engineering Lab	0	0	3		45	30	75	1.5
10		3ME4-24	Programming using MATLAB	0	0	3		45	30	75	1.5
11	PSIT	3ME7-30	Industrial Training	0	0	1		0	0	50	1
12	SODE CA	3ME8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0		0	0	25	0.5
<b>Sub- Total</b>				0	0	13		180	120	375	7.5
<b>TOTAL OF III SEMESTER</b>				16	1	13		350	800	1225	24.5

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Office of Dean Academic Affairs  
Rajasthan Technical University, Kota



**Teaching & Examination Scheme  
B.Tech. : Mining 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	4MI2-01	Advanced Engineering Mathematics-II	2	0	0	2	20	80	100	2
2	HSMC	4MI1-03/ 4MI1-02	Managerial Economics and Financial Accounting/ Technical Communication	2	0	0	2	20	80	100	2
3	ESC	4MI3-04	Fluid Mechanics	2	0	0	2	20	80	100	2
4	PCC	4MI4-05	Electrical Engineering	2	0	0	2	20	80	100	2
5		4MI4-06	Strata Control	2	0	0	2	20	80	100	2
6		4MI4-07	Mining Geology II	2	0	0	2	20	80	100	2
7		4MI4-08	Mine Development	2	0	0	2	20	80	100	2
8		4MI4-09	Mine Surveying – I	3	0	0	3	30	120	150	3
<b>Sub Total</b>				17	0	0		170	680	850	17
PRACTICAL & SESSIONAL											
9	PCC	4MI4-21	Electrical Engineering	0	0	2		30	20	50	1
10		4MI4-22	Mine Computing Lab- I	0	0	2		30	20	50	1
11		4MI4-23	Mining Geology II	0	0	3		45	30	75	1.5
12		4MI4-24	Mine Development	0	0	2		30	20	50	1
13		4MI4-25	Mine Surveying – I	0	0	3		45	30	75	1.5
14	SODE CA	4MI8-00	Social Outreach, discipline, Extra Curricular Activities	0	0	0		0	0	25	0.5
<b>Sub- Total</b>				0	0	12		180	120	325	6.5
<b>TOTAL OF IV SEMEESTER</b>				17	0	12		350	800	1175	23.5

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